

ΟΛΥΜΠΙΑ ΔΩΜΑΤΑ

OR AN

ALMANACK

for the Year of our

LORD GOD

1690.

Being the 2^d after Bissextile or Leap-year,
and from the Worlds Creation, 5639.

Wherein is contained the Lunations, Conjunctions and Aspects of the Planets, the increase, decrease and length of the Day and night, with the rising, southing and setting of the Planets, and Fixed Stars throughout the Year, whereby may be known the exact hour of the night at all times, when either the Moon or Stars are seen.

Calculated according to Art and referred to the Horizon of the ancient and renowned Borough Town of *Stamford*, whose Longitude is 23 deg. 59 minutes, Latitude 52 deg. 41 min. fitting all the middle Counties of ENGLAND, and without sensible error the whole Kingdom.

By JOHN WILKIN Mathematic.

CAMBRIDGE.

Printed by John Hayes, Printer to the
University, 1690.

Wing 1690.

Common Notes for this present Year,
according to the

Julian, English
or old account.

Gregorian
or new account.

| | | |
|----|-----------------------|----|
| 19 | The Golden Number | 19 |
| 19 | The Cycle of the Sun | 19 |
| 27 | The Epact | 19 |
| Ⓒ | The Dominical Letters | A |
| 13 | The Roman Indiction | 13 |

The Terms and their returns this Year.

| | | |
|-------------------------|------------------------|----|
| Hilary Term begins | Octab Hilar. January | 21 |
| January 23, and ends | Quind. Hilar. January | 27 |
| February 12, and hath 4 | Craft. Purif. February | 4 |
| returns, viz. | Octab Purif. February | 10 |
| | Quind. Pasch. May | 5 |
| Easter Term begins | Tres Pasch. May | 12 |
| May 7, and ends June | Mens. Pasch. May | 19 |
| 2, and hath 5 returns. | Quinqs Pasch. May | 26 |
| | Craft. Ascen. May | 30 |
| | Craft. Trin. June | 16 |
| Trinity Term begins | Octab Trin. June | 23 |
| June 20, and ends July | Quind. Trin. June | 30 |
| 2, and hath 4 returns. | Tres Trin. July | 7 |
| | Tres. Mleh. October | 21 |
| Michaelmas Term be- | Mens. Mich. October | 29 |
| gins October 23, and | Craft. Anim. November | 4 |
| ends November 28, and | Craft. Mart. November | 12 |
| hath 6 returns. | Octab. Mart. November | 20 |
| | Quind. Mart. November | 27 |

The Terms, Returns, as may appear:
stand here in Order, for this Year.

The bright and shining Planet Venus is our Morning Star
untill the 6 day of April, from thence to the Years end
she is our Evening Star.

A

1690.

A plain and easie Table shewing the true Interest due upon any Sum of Money from five Shillings to an Hundred Pounds, for a Year or under, after the rate of Six Pounds in the Hundred.

| | Shil. | 1 month. | | | 3 months | | | 6 months | | | 9 months | | | A Year. | | |
|-----------------|-------|----------|-----|----|----------|-----|----|----------|-----|----|----------|-----|----|---------|-----|----|
| | | lb. | s. | d. | lb. | s. | d. | lb. | s. | d. | lb. | s. | d. | lb. | s. | d. |
| | 5 | 0 | 0 | 10 | 0 | 0 | 3 | 0 | 1 | 3 | 0 | 1 | 2 | 0 | 3 | 2 |
| | 10 | 0 | 0 | 20 | 0 | 1 | 3 | 0 | 3 | 2 | 0 | 5 | 0 | 0 | 7 | 0 |
| | 15 | 0 | 0 | 30 | 0 | 2 | 4 | 0 | 5 | 1 | 0 | 8 | 2 | 0 | 10 | 2 |
| Pounds. | 1 | 0 | 1 | 00 | 3 | 2 | 0 | 7 | 0 | 0 | 10 | 2 | 1 | 2 | 1 | |
| | 2 | 0 | 2 | 10 | 7 | 0 | 1 | 2 | 1 | 1 | 9 | 1 | 2 | 4 | 2 | |
| | 3 | 0 | 3 | 20 | 10 | 2 | 1 | 9 | 1 | 2 | 7 | 3 | 3 | 6 | 3 | |
| | 4 | 0 | 4 | 31 | 2 | 1 | 3 | 4 | 2 | 3 | 6 | 3 | 4 | 9 | 0 | |
| | 5 | 0 | 6 | 01 | 6 | 0 | 3 | 0 | 0 | 4 | 6 | 0 | 6 | 0 | 0 | |
| | 6 | 0 | 7 | 01 | 9 | 2 | 3 | 7 | 0 | 5 | 4 | 2 | 7 | 2 | 1 | |
| | 7 | 0 | 8 | 12 | 1 | 0 | 4 | 2 | 1 | 6 | 3 | 1 | 8 | 4 | 2 | |
| | 8 | 0 | 9 | 22 | 4 | 2 | 4 | 9 | 1 | 7 | 1 | 3 | 9 | 6 | 3 | |
| | 9 | 0 | 10 | 32 | 8 | 1 | 5 | 4 | 2 | 8 | 0 | 3 | 10 | 9 | 0 | |
| Tens of Pounds. | | po. | lb. | s. | po. | lb. | s. | po. | lb. | s. | po. | lb. | s. | po. | lb. | s. |
| | 10 | 0 | 1 | 00 | 3 | 0 | 0 | 6 | 0 | 0 | 9 | 0 | 0 | 12 | 0 | |
| | 20 | 0 | 2 | 00 | 6 | 0 | 0 | 12 | 0 | 0 | 18 | 0 | 1 | 4 | 0 | |
| | 30 | 0 | 3 | 00 | 9 | 0 | 0 | 18 | 0 | 1 | 7 | 0 | 1 | 16 | 0 | |
| | 40 | 0 | 4 | 00 | 12 | 0 | 1 | 4 | 0 | 1 | 16 | 0 | 2 | 8 | 0 | |
| | 50 | 0 | 5 | 00 | 15 | 0 | 1 | 10 | 0 | 2 | 5 | 0 | 3 | 6 | 0 | |
| | 60 | 0 | 6 | 00 | 18 | 0 | 1 | 16 | 0 | 2 | 14 | 0 | 3 | 12 | 0 | |
| | 70 | 0 | 7 | 01 | 1 | 0 | 2 | 2 | 0 | 3 | 3 | 0 | 4 | 4 | 0 | |
| | 80 | 0 | 8 | 01 | 4 | 0 | 2 | 8 | 0 | 3 | 12 | 0 | 4 | 16 | 0 | |
| | 90 | 0 | 9 | 01 | 7 | 0 | 2 | 14 | 0 | 4 | 1 | 0 | 5 | 8 | 0 | |
| | 100 | 0 | 10 | 01 | 10 | 0 | 3 | 0 | 0 | 4 | 10 | 0 | 6 | 0 | 0 | |

Find the Principal in the first Column, and in the other you have the Interest due for one, three, six, nine, or twelve month.

Wing 1690.

A Regal Table in a more exact manner.

| The Year, Month, and Day, (accounting the Year to be- gin Jan. 1.) whereon every K. and Q. of Eng. since the Conq. began their reign. | | | | The number of Years, Months, & Days, that every K. and Q. reigned 28 da. to a mon. | | | | The num. of y. expired in this y. since they began to reign: as also since they ended. | | | | |
|---|------|-----------|----------|--|----|---|----|--|-------------|---|--|--|
| K. W. Conq. | 1066 | Octob. 14 | 20 | y | 11 | m | 22 | 624 | | | | |
| W. Rufus | 1087 | Sept. 9 | 12 | y | 11 | m | 18 | 603 | K. W. Conq. | | | |
| Henry | 1100 | August 1 | 35 | y | 4 | m | 11 | 590 | W. Rufus | | | |
| Stephen | 1135 | Decem. 2 | 18 | y | 11 | m | 18 | 555 | Henry | 1 | | |
| Henry | 1154 | Octob. 25 | 34 | y | 9 | m | 2 | 536 | Stephen | | | |
| Richard | 1189 | July 6 | 9 | y | 9 | m | 0 | 501 | Henry | 2 | | |
| John | 1199 | April 6 | 17 | y | 7 | m | 0 | 491 | Richard | 1 | | |
| Henry | 1216 | Octob. 19 | 56 | y | 1 | m | 0 | 474 | John | | | |
| Edward | 1272 | Nov. 16 | 34 | y | 8 | m | 6 | 418 | Henry | 3 | | |
| Edward | 1307 | July 7 | 19 | y | 7 | m | 5 | 383 | Edward | 1 | | |
| Edward | 1327 | Jan. 25 | 50 | y | 5 | m | 7 | 363 | Edward | 2 | | |
| Richard | 1377 | June 21 | 22 | y | 3 | m | 14 | 313 | Edward | 3 | | |
| Henry | 1399 | Sept. 29 | 13 | y | 6 | m | 3 | 291 | Richard | 2 | | |
| Henry | 1413 | March 20 | 9 | y | 5 | m | 24 | 277 | Henry | 4 | | |
| Henry | 1422 | Aug. 31 | 38 | y | 6 | m | 16 | 266 | Henry | 5 | | |
| Edward | 1461 | March 4 | 22 | y | 1 | m | 8 | 229 | Henry | 6 | | |
| Edward | 1483 | April 9 | 0 | y | 2 | m | 18 | 207 | Edward | 4 | | |
| Richard | 1483 | June 22 | 2 | y | 2 | m | 5 | 205 | Edward | 5 | | |
| Henry | 1485 | Aug. 22 | 23 | y | 10 | m | 24 | 205 | Richard | 3 | | |
| Henry | 1509 | April 22 | 37 | y | 10 | m | 2 | 181 | Henry | 7 | | |
| Edward | 1547 | Jan. 28 | 6 | y | 5 | m | 19 | 143 | Henry | 8 | | |
| Q. Mary | 1553 | July 6 | 5 | y | 4 | m | 22 | 137 | Edward | 6 | | |
| Q. Elizab. | 1558 | Nov. 17 | 44 | y | 4 | m | 15 | 132 | Q. Mary | | | |
| James | 1603 | March 24 | 22 | y | 0 | m | 3 | 87 | Q. Elizab. | | | |
| Charles | 1625 | March 29 | 22 | y | 10 | m | 3 | 65 | James | 1 | | |
| Charles | 1649 | Jan. 30 | 36 | y | 0 | m | 7 | 41 | Charles | 1 | | |
| James | 1685 | Febr. 6 | 4 | y | 0 | m | 0 | 5 | Charles | 2 | | |
| William | 32 | 1689 | Febr. 13 | Whom God grant long to Reign. | | | | 1 | James | 2 | | |
| Mary | 2 | | | | | | | | | | | |

Here Gods Vicegerents do in order stand
And how successively each Rul'd the Land,
May we not want a Monarch great indeed
Wise, good, and gracious, mercifull in need;
For such a one may all good Christians stand
Both now and always for to Rule this Land.

**A Table shewing the Bearing, Distance, Longest day, and difference
of Meridians of most of the principal Cities in the World,
from the famous City of L O N D O N.**

| Names of the Places. | The way or point of bearing. | Dist. in mil. | Longest Day. h. m. | Differ. Merid. h. m. |
|-----------------------------|---|------------------------------|-----------------------------------|-------------------------------------|
| Alexandria in Egypt | s. e. by e. | 2169 | 14 00 | 2 42 A |
| Amsterdam in Holland | e. by nor. | 266 | 16 40 | 0 28 A |
| Athens in Greece | s. e. by e. | 1642 | 14 40 | 0 56 A |
| Antwerp in Brabant | East fere. | 248 | 16 28 | 0 24 A |
| Barwick | North fere. | 267 | 17 24 | 0 22 A |
| Babylon | e. so. e. | 2724 | 14 25 | 3 56 A |
| Bethsaida | s. e. by e. | 2369 | 14 16 | 2 30 A |
| Bermudas | w. so. w. | 3409 | 14 10 | 4 56 A |
| Calicute in East India | so. e. by e. | 5214 | 12 20 | 6 8 A |
| Calis in France | east by sou. | 86 | 16 25 | 0 9 A |
| Constantinople | e. south e. | 1547 | 15 15 | 2 24 A |
| Dublin in Ireland | no. w. by w. | 296 | 17 15 | 0 26 A |
| Dantzick | e. nor. e. | 961 | 17 51 | 0 44 A |
| Damascus | ea. so. e. | 2404 | 14 15 | 3 16 A |
| Edenburgh in Scotland | North. | 328 | 17 40 | 0 0 A |
| Ephesus | e. sou. e. | 1808 | 14 40 | 2 30 A |
| Florence | south east. | 802 | 15 10 | 0 57 A |
| Frankfo'd | East fere. | 448 | 16 15 | 0 47 A |
| Hamburg | ea. no. ea. | 538 | 18 00 | 0 56 A |
| Jerusalem | so. e. by e. | 2352 | 14 8 | 3 3 A |
| Iffland | nor. no. w. | 930 | 21 44 | 0 52 S |
| Joppa | so. ea. by e. | 2338 | 14 6 | 3 0 A |
| Lisbone in Portugal | so. sou. w. | 985 | 14 45 | 1 0 A |
| Middleburgh in Zealand | East. | 205 | 16 30 | 0 20 A |
| Menz in Germany | East. | 410 | 16 35 | 0 40 A |
| Millain | so. ea. fere. | 645 | 15 22 | 0 48 S |
| Moroco in Barbary | so. so. w. | 1449 | 14 00 | 0 28 S |
| Mexico | w. by south | 6844 | 13 20 | 2 59 A |
| Naples | so. ea. by e. | 1051 | 14 50 | 0 16 S |
| Niniveh | ea. so. ea. | 2635 | 14 30 | 3 52 S |
| Paris in France | so. so. ea. | 215 | 15 57 | 0 20 A |
| Philippi in Macedonia | e. so. ea. | 1395 | 15 10 | 2 10 A |
| Prague in Bohemia | East fere. | 900 | 16 15 | 1 14 A |
| Quinzai | ea. by so. | 7272 | 13 35 | 11 28 A |
| Rome | so. e. by ea. | 887 | 15 41 | 7 A |
| Spire | ea. by so. | 440 | 16 20 | 0 46 A |
| Strasbourg | ea. by so. | 432 | 16 6 | 2 41 A |
| Toledo in Spain | so. by we. | 934 | 14 23 | 6 36 A |
| Troy | ea. so. ea. | 1605 | 15 00 | 2 63 S |
| Tumbes | so. w. by w. | 6045 | 12 15 | 6 56 A |
| Venice | ea. so. ea. | 474 | 15 28 | 1 3 S |
| Civil | so. by w. | 950 | 14 40 | 0 52 A |
| York | North fere. | 150 | 17 00 | 4 S |
| L O N D O N : | A 3 | | 16 26 | 0 30 |

Wing 1690.

A Table shewing the hour and minute of the Moon coming to the South the first six Months of this Year, 1690.

| D. | Jan. | Feb. | Mar. | April | May | June |
|----|--------|--------|---------|--------|--------|--------|
| 1 | 0 A 42 | 1 A 42 | 12 A 26 | 1 A 50 | 2 A 46 | 4 A 24 |
| 2 | 1 31 | 2 27 | 1 38 | 2 47 | 3 51 | 5 14 |
| 3 | 2 13 | 3 15 | 2 6 | 3 48 | 4 48 | 6 2 |
| 4 | 3 2 | 4 6 | 2 58 | 4 49 | 5 44 | 6 50 |
| 5 | 3 46 | 4 57 | 3 52 | 5 51 | 6 31 | 7 31 |
| 6 | 4 30 | 5 53 | 4 51 | 6 49 | 7 20 | 8 17 |
| 7 | 5 18 | 6 4 | 5 49 | 7 38 | 8 7 | 9 2 |
| 8 | 6 8 | 7 47 | 6 46 | 8 32 | 8 50 | 9 48 |
| 9 | 7 2 | 8 58 | 7 38 | 9 17 | 9 34 | 10 25 |
| 10 | 8 0 | 9 49 | 8 46 | 10 4 | 10 20 | 11 24 |
| 11 | 9 0 | 10 46 | 9 37 | 10 51 | 11 7 | 12 14 |
| 12 | 10 1 | 11 30 | 10 31 | 11 37 | 11 53 | 0 M 14 |
| 13 | 11 3 | 12 26 | 11 17 | 12 21 | 12 24 | 0 56 |
| 14 | 12 5 | 0 M 26 | 12 2 | 0 M 21 | 0 M 42 | 1 43 |
| 15 | 0 M 5 | 1 14 | 0 M 2 | 1 7 | 1 26 | 2 33 |
| 16 | 1 3 | 1 57 | 0 48 | 1 53 | 2 14 | 3 14 |
| 17 | 1 53 | 2 42 | 1 33 | 2 44 | 3 6 | 4 0 |
| 18 | 2 37 | 3 29 | 2 20 | 3 33 | 3 57 | 4 45 |
| 19 | 3 25 | 4 16 | 3 5 | 4 22 | 4 35 | 5 20 |
| 20 | 4 9 | 5 2 | 3 56 | 5 9 | 5 26 | 6 16 |
| 21 | 4 56 | 5 54 | 4 45 | 6 0 | 6 13 | 7 3 |
| 22 | 5 36 | 6 42 | 5 33 | 6 48 | 6 58 | 7 54 |
| 23 | 6 24 | 7 30 | 6 21 | 7 34 | 7 42 | 8 54 |
| 24 | 7 11 | 8 22 | 7 8 | 8 19 | 8 32 | 9 56 |
| 25 | 7 59 | 9 9 | 8 2 | 9 6 | 9 21 | 11 0 |
| 26 | 8 44 | 9 58 | 8 50 | 9 54 | 10 20 | 12 4 |
| 27 | 9 38 | 10 47 | 9 36 | 10 46 | 11 22 | 1 A 8 |
| 28 | 10 26 | 11 34 | 10 25 | 11 40 | 12 26 | 2 5 |
| 29 | 11 16 | | 11 12 | 12 41 | 1 A 28 | 3 0 |
| 30 | 12 7 | | 12 4 | 1 A 40 | 2 28 | 3 48 |
| 31 | 0 A 54 | | 0 A 57 | | 3 33 | |

Wing 1690.

A Table shewing the hour and minute of the Moons
coming to the South the last six Months
of this Year, 1690.

| D. | July | Aug. | Sept. | Octob. | Nov. | Dec. |
|----|-------|-------|-------|--------|-------|-------|
| 1 | 4A 38 | 5A 32 | 6A 49 | 7A 19 | 8A 10 | 8A 9 |
| 2 | 5 24 | 6 20 | 7 37 | 8 4 | 8 53 | 8 59 |
| 3 | 6 8 | 7 4 | 8 25 | 8 51 | 9 32 | 9 51 |
| 4 | 6 52 | 7 56 | 9 13 | 9 36 | 10 26 | 10 48 |
| 5 | 7 36 | 8 49 | 10 2 | 10 20 | 11 20 | 11 53 |
| 6 | 8 15 | 9 37 | 10 46 | 11 3 | 12 17 | 12 57 |
| 7 | 9 13 | 10 24 | 11 33 | 11 53 | OM 17 | OM 57 |
| 8 | 10 4 | 11 13 | 12 18 | 12 45 | 1 24 | 2 5 |
| 9 | 10 52 | 12 1 | OM 18 | OM 45 | 2 30 | 3 3 |
| 10 | 11 28 | OM 1 | 1 4 | 1 42 | 3 27 | 4 0 |
| 11 | 12 30 | 0 46 | 1 56 | 2 41 | 4 30 | 4 50 |
| 12 | OM 30 | 1 25 | 2 46 | 3 41 | 5 23 | 5 34 |
| 13 | 1 10 | 2 9 | 3 39 | 4 43 | 6 14 | 6 24 |
| 14 | 1 56 | 2 58 | 4 38 | 5 40 | 7 1 | 7 9 |
| 15 | 2 38 | 3 43 | 5 35 | 6 39 | 7 52 | 7 46 |
| 16 | 3 26 | 4 38 | 6 32 | 7 31 | 8 32 | 8 40 |
| 17 | 4 11 | 5 33 | 7 38 | 8 20 | 9 17 | 9 26 |
| 18 | 4 56 | 6 32 | 8 32 | 9 9 | 10 2 | 10 12 |
| 19 | 5 45 | 7 29 | 9 27 | 9 56 | 10 53 | 11 4 |
| 20 | 6 36 | 8 37 | 10 16 | 10 44 | 11 39 | 11 56 |
| 21 | 7 35 | 9 35 | 11 4 | 11 30 | 12 30 | 12 43 |
| 22 | 8 31 | 10 31 | 11 55 | 12 1 | 1A 29 | 1A 29 |
| 23 | 9 36 | 11 35 | 12 39 | 1A 8 | 2 11 | 2 16 |
| 24 | 10 41 | 12 21 | 1A 31 | 1 54 | 2 59 | 3 1 |
| 25 | 11 43 | 1A 10 | 2 18 | 2 46 | 3 44 | 3 46 |
| 26 | 12 4 | 1 57 | 3 8 | 3 35 | 4 32 | 4 26 |
| 27 | 1A 32 | 2 47 | 4 1 | 4 28 | 5 14 | 5 8 |
| 28 | 2 24 | 3 32 | 4 50 | 5 10 | 5 58 | 5 53 |
| 29 | 3 13 | 4 22 | 5 40 | 6 0 | 6 38 | 6 36 |
| 30 | 4 0 | 5 10 | 6 30 | 6 45 | 7 22 | 7 24 |
| 31 | 4 47 | 6 0 | | 7 32 | | 8 19 |

A 4

Jan-

January hath xxxi days.

| | | | |
|--|----|----|------|
| ☾ First quarter the 8 day, at 4 in the morn. | 10 | ♊ | 0 |
| ● Full moon the 14 day, at 9 at night. | 9 | 29 | ✕ 37 |
| ☾ Last quarter the 22 day, at 7 in the morn. | 17 | 29 | 11 |
| ● New moon the 30 day, at 8 in the morn. | 25 | 28 | 46 |

| | | | | | | | | | | |
|----|---|-----------------|----|--------|---|-------|------------------|------|----|----|
| 1 | a | Circumcision | 1 | 46 | ♂ | D 6. | Moist and | 4 | A | 38 |
| 2 | b | Sun rif. 1. 0. | 14 | 14 | ♂ | D 4. | misty. | 5 | 54 | |
| 3 | c | Enoch | 26 | 50 | ♂ | D 11. | * ♂ D 18 | 7 | 13 | |
| 4 | d | Bethusalem | 9 | ✕ 37 | ♂ | D 13. | * ♀ D 11 | 8 | 28 | |
| 5 | e | Simeon | 22 | 37 | * | ♀. | * h ♀. | 9 | 48 | |
| 6 | f | Epiphany | 5 | ✓ 50 | ♂ | D 6. | A moderate | 11 | 6 | |
| 7 | g | Sun set. 4. 6. | 19 | 18 | ♀ | D 0. | season. | 12 | 19 | |
| 8 | a | Richard. | 3 | ♂ 3 | * | ♀. | D 1. ♂ D 9. | 0 | M | 19 |
| 9 | b | Marcellus | 17 | 6 | ♂ | D 0. | Δ ♀ D 10 | 2 | 5 | |
| 10 | c | Paul Erem. | 1 | II 29 | ♂ | ♀. | ♂ D 5. | 3 | 38 | |
| 11 | d | Sun rif. 7. 49. | 16 | 8 | ♂ | D 8. | Perig. Fair and | 5 | 11 | |
| 12 | e | 1 after Epiph. | 0 | 58 | ♂ | D 8. | * ♂ D 15 | 6 | 37 | |
| 13 | f | Hilarius | 5 | 79 | ♂ | D 3. | freezing. | 7 | 33 | |
| 14 | g | Felix | 0 | ♊ 37 | ♂ | D 18. | ♂ ♀ D 0 | Full | ♊ | |
| 15 | a | Sun set. 4. 18. | 15 | 10 | ♂ | D 4. | ♂ D 11 | 5 | A | 5 |
| 16 | b | Marcell. | 29 | 18 | * | h ♀. | Mild con- | 6 | 30 | |
| 17 | c | Anthony | 13 | III 2 | ♂ | D 0. | Δ ♀ D 10 | 7 | 52 | |
| 18 | d | Polica | 26 | 19 | ♂ | D 0. | sidering the | 9 | 13 | |
| 19 | e | 2 after Epiph. | 9 | 11 | ♂ | D 0. | season. | 10 | 34 | |
| 20 | f | Sun rif. 7. 34. | 21 | 42 | ♀ | D 0. | Friezing | 11 | 32 | |
| 21 | g | Agnes | 3 | III 55 | ♂ | D 6. | Δ ♀ D 6. | 0 | M | 12 |
| 22 | a | Vincent | 15 | 55 | ♂ | D 3. | * ♀ D 20 | 1 | 12 | |
| 23 | b | Term begins | 27 | 49 | ♂ | D 9. | ♂ D 9. | 2 | 24 | |
| 24 | c | Sun set. 4. 33. | 9 | 41 | ♂ | D 9. | * ♀ D 19. | 3 | 39 | |
| 25 | d | Conv. S. Paul | 21 | 32 | ♂ | D 16. | Apog. Much snow | 4 | 4 | |
| 26 | e | 3 after Epiph | 3 | ✓ 33 | ♂ | D 8. | * ♀ D 8. | 5 | 47 | |
| 27 | f | Chrysost. | 15 | 42 | ♂ | D 4. | * h D 4. | 6 | 36 | |
| 28 | g | Sun rif. 7. 20. | 27 | 59 | ♂ | D 8. | ♂ ♀ D 8. | 7 | 0 | |
| 29 | a | Carolus M. | 10 | 29 | ♂ | D 13. | ♂ D 16 | 7 | 30 | |
| 30 | b | K. Ch. 1. mar. | 23 | 13 | ♂ | D 11. | and win- | New | ♊ | |
| 31 | c | Sun set. 4. 45. | 6 | ✕ 10 | ♂ | D 10. | terlike weather. | 6 | A | 15 |

Moons setting.

Moons rising.

January 1690.

The { 3 day at 11 at night ♀
 8 day at 9 at night ♂
 22 day at 3 afternoon ♀
 28 day at 8 at night ♀
 30 day at 11 at night ♀ } is with the Moon.

| | | | |
|----|----|------|---|
| 1 | 3 | A 48 | Day 8 hours long. |
| 2 | 4 | 37 | <i>Felix qui potuit contentus vivere parvo.</i> |
| 3 | 5 | 19 | Seven Stars south 45 min. past 7 at night. |
| 4 | 6 | 8 | Seven Stars sets at 4 in the morning. |
| 5 | 6 | 50 | |
| 6 | 7 | 36 | |
| 7 | 8 | 24 | |
| 8 | 9 | 14 | |
| 9 | 10 | 8 | Saturn rises 15 min. past 2 in the morn. |
| 10 | 11 | 6 | |
| 11 | 12 | 6 | Great Dog south 9 min. past 10 at night, |
| 12 | 1 | M 7 | and sets 40 min. past 2 in the morn. |
| 13 | 2 | 9 | Day 8 hours and an half long. |
| 14 | 3 | 11 | Jupiter sets 12 min. past 7 at night. |
| 15 | 3 | 11 | |
| 16 | 4 | 9 | |
| 17 | 5 | 0 | |
| 18 | 5 | 45 | |
| 19 | 6 | 31 | |
| 20 | 7 | 15 | |
| 21 | 8 | 0 | Mars sets 36 min. past 1 in the morn. |
| 22 | 8 | 42 | Day 9 hours long. |
| 23 | 9 | 30 | |
| 24 | 10 | 17 | |
| 25 | 11 | 5 | Venus rises 39 min. past 6 in the morning. |
| 26 | 11 | 50 | |
| 27 | 12 | 44 | Just now abouts th' Erratick Stars do frown, |
| 28 | 1 | A 32 | Threatning a Government of great renown; |
| 29 | 2 | 22 | But what is that to us that live in peace, |
| 30 | 3 | 13 | Whilst others bleed, we live & take our ease. |
| 31 | 4 | 0 | Day 9 hours and an half long. |

February hath xxviii days.

| | | | | | |
|---|--|----|----|---|----|
| ☾ | First quarter the 6 day, at 1 in the aftern. | 1 | 28 | ♂ | 24 |
| ● | Full moon the 13 day, at 8 in the morn. | 9 | 27 | | 58 |
| ☾ | Last quarter the 21 day, at 4 in the morn. | 17 | 27 | ✕ | 33 |
| ● | New moon the 28 day, at 11 at night. | 25 | 27 | | 7 |

| M.D. | ☾ | Ho. days with Suns ris. & set. | Moons Signs. | Planets change of Air. | Aspects & Moons rise & setting. |
|------|---|-----------------------------------|-----------------|---------------------------|---------------------------------------|
| 1 | d | Sun ris. 7. 17. | 19 | ✕ 19 | ♂ 2. 7 A 31 |
| 2 | ☾ | Candelm. da | 2 | ✓ 40 | * ♀ 11. Gentle 8 59 |
| 3 | f | Blaise | 16 | 12 | winds with showers 10 14 |
| 4 | g | Sun set. 4. 47. | 2 | 54 | * ♀ 17. ☐ ♀ 20 11 49 |
| 5 | a | Agatha. | 13 | ♂ 48 | ☐ ♀ 2. ♂ h 8. 1 M 50 |
| 6 | b | Dorot. 2 | 27 | 4 | ☐ ♀ 21. Fair and 1 5 |
| 7 | c | Zachary | 11 | II 58 | ♂ Perig. Δ ♀ 5. 2 56 |
| 8 | d | Sun ris. 7. 5. | 26 | 15 | dry for some days. 4 10 |
| 9 | ☾ | 3 after Epiph | 10 | ♂ 38 | Δ h 13. Δ ♀ 15 5 17 |
| 10 | f | Scholast. | 25 | 3 | ☐ h ♀. ☐ h ♀. 6 6 |
| 11 | g | Sun ris. 6. 58. | 9 | ♂ 24 | ☐ h 15 ♂ ♀ 20 6 29 |
| 12 | a | Term ends | 23 | 30 | ☐ ♂ 6. Cold 6 45 |
| 13 | b | Agabus | 7 | ♂ 14 | * h 18. ♂ ♀ 10 Full ● |
| 14 | c | Valentine | 29 | 58 | ♂ 12. Δ ♂ 12. 6 A 50 |
| 15 | d | Sun set 5. 12. | 4 | ♂ 12 | Frost and winter 8 9 |
| 16 | ☾ | Septuagesima | 17 | 6 | Δ ♀ 20. like 9 30 |
| 17 | f | Sun ris. 6. 43. | 29 | 37 | weather about now. 10 47 |
| 18 | g | Concord. | 11 | m 53 | ☐ ♂ 2. ♂ h 2. 12 2 |
| 19 | a | Sim. Ap. | 23 | 57 | ☐ ♀ 13 Δ ♀ 9 0 M 2 |
| 20 | b | Eucharist. | 5 | ♂ 51 | ♂ Apog ☐ ♀ 16. 1 19 |
| 21 | c | Sun set 5. 26 | 17 | 42 | ♂ ☐ ♀. Mild and 2 40 |
| 22 | d | Cath. Petr. | 29 | 35 | * ♀ 11. ☐ ♀ 10 3 35 |
| 23 | ☾ | Sexagesima. | 11 | ✓ 52 | * h 12. * ♀ 12 4 29 |
| 24 | f | S. Marthias | 23 | 40 | Δ ♂ 19 * ♀ 11 5 2 |
| 25 | g | Sun ris. 6 26. | 6 | ♂ 3 | Δ ☐ h. ☐ h 22. 5 34 |
| 26 | a | Astroz. | 18 | 42 | temperate ends the 5 57 |
| 27 | b | Festus | 1 | ✕ 39 | ☐ ♂ 6 ♂ ♀ 18 6 10 |
| 28 | c | Sun set. 5. 5. | 14 | 54 | ☐ Eclipsed. month New ☾ |

Moons setting.

Moons rising.

February 1690.

The { 6 day at 5 in the morn. ♂
 18 day at midnight ♀ } is with the Moon.
 28 day at 6 in the morn. ♀
 28 day at noon ♀
 28 day at 4 in the morn. ♀

| M.D. | High Water at London Bridge. | | |
|------|------------------------------|------|--|
| | H. | M. | |
| 1 | 4 | A 48 | <i>Cruzes de fuera, & Diabolo de dentro.</i> |
| 2 | 5 | 33 | Day Star riseth. |
| 3 | 6 | 21 | |
| 4 | 7 | 12 | Seven Stars south 30 min. past 5 at night. |
| 5 | 8 | 3 | <i>Jupiter</i> sets 5 min. past 6 at night. |
| 6 | 8 | 57 | Seven Stars sets 40 m. past 1 in the mor. |
| 7 | 9 | 55 | |
| 8 | 10 | 53 | |
| 9 | 12 | 4 | |
| 10 | 0 | M 55 | Day 10 hours long. |
| 11 | 1 | 52 | <i>Saturn</i> rises 10 min. after midnight. |
| 12 | 2 | 45 | |
| 13 | 3 | 32 | Great Dog south at 8 at night. |
| 14 | 3 | 32 | Great Dog sets 30 min. after midnight. |
| 15 | 4 | 20 | |
| 16 | 5 | 3 | |
| 17 | 5 | 48 | |
| 18 | 6 | 35 | <i>Mars</i> sets 8 min. past 1 in the morn. |
| 19 | 7 | 22 | Day 10 hours and an half long. |
| 20 | 8 | 8 | |
| 21 | 9 | 0 | |
| 22 | 9 | 49 | |
| 23 | 10 | 36 | <i>Saturn</i> becomes retrograde in motion. |
| 24 | 11 | 28 | North Ballance rises 32 m. p. 10 at night. |
| 25 | 12 | 15 | North Ballante south 50 min. past 3 morn. |
| 26 | 1 | A 4 | Day 11 hours long. |
| 27 | 1 | 53 | |
| 28 | 2 | 40 | <i>Venus</i> rises 6 min. before the Sun. |

March hath xxxi days.

| | | | | |
|--|----|----|----|----|
| ☾ First quarter the 7 day, at 9 at night. | 1 | 26 | 06 | 55 |
| ● Full moon the 14 day, at 10 at night. | 9 | 26 | | 29 |
| ☾ Last quarter the 22 day, at 11 at night. | 17 | 26 | | 4 |
| ● New moon the 30 day, at 10 before noon. | 25 | 25 | ✕ | 40 |

| | | | | | | | | | | | |
|----|---|-----------------|----|----|----|---|--------------------|-------|---|----|----------------|
| 1 | ☿ | Sun rif. 6. 18. | 28 | ✕ | 27 | ☿ | Seasonable | 6 | A | 43 | Moons setting. |
| 2 | ☾ | Shrove Sund. | 12 | ✓ | 14 | ♂ | 8. and good | 8 | | 10 | |
| 3 | ☿ | Quintus | 25 | | 13 | | weather begins the | 9 | | 38 | |
| 4 | ♂ | Adrian. | 10 | ♂ | 21 | ♂ | ☿. ☿ ♀. | 11 | | 6 | |
| 5 | ♂ | Eusebius | 24 | | 32 | △ | h ♀. month. | 12 | | 34 | |
| 6 | ♂ | Sun set. 5. 52. | 8 | II | 44 | ♂ | Perig. ☿ ♀ | 14. 9 | M | 34 | |
| 7 | ☿ | Felicitas | 22 | | 55 | ♀ | ♀. A pleasant | 2 | | 12 | |
| 8 | ♂ | Cyprian | 7 | ♂ | 2 | △ | h ♀. △ h | 17 | 3 | 23 | |
| 9 | ☾ | Quadragesim. | 20 | | 56 | △ | ♀ ♀ 4. and | 4 | | 16 | |
| 10 | ☿ | Nicheus | 5 | Ω | 4 | ☿ | h ♀ 21 * ♂ | 10 | 4 | 45 | |
| 11 | ♂ | Sun rif. 5. 58. | 18 | | 54 | ♀ | ♀. forward | 5 | | 10 | Moons rising. |
| 12 | ♂ | Gregory | 2 | ♂ | 33 | ☿ | ♂ 18. spring. | 5 | | 23 | |
| 13 | ♂ | Ernestus | 16 | | 2 | △ | h ♀. * h | 3. | 5 | 31 | |
| 14 | ☿ | Eutychus | 29 | | 18 | ☾ | Eclipsed in ☿ | Full | ☾ | | |
| 15 | ♂ | Sun rif. 5. 50 | 12 | ☿ | 18 | △ | ♂ 3. A season- | 6 | A | 16 | |
| 16 | ☾ | 2 Sund. Lent | 25 | | 3 | | able Seed time if | 18 | | 38 | |
| 17 | ☿ | Gertrude | 7 | m | 32 | ♂ | h ♀ 19. △ ♀ | 17 | 9 | 58 | |
| 18 | ♂ | Gabriel | 19 | | 48 | △ | ♀. be not | 11 | | 14 | |
| 19 | ♂ | Sun set. 6. 18. | 1 | ♀ | 51 | | much mistaken. | 12 | | 36 | |
| 20 | ♂ | Rupert | 13 | | 47 | ♂ | Apog. ☿ ♀ | 14. 0 | M | 36 | |
| 21 | ☿ | Benedict | 25 | | 40 | | Now expect some | 1 | | 36 | Moons rising. |
| 22 | ♂ | Paulinus | 7 | ✓ | 32 | △ | h ♀. * h | 21 | 2 | 30 | |
| 23 | ☾ | 3 Sund. Lent | 19 | | 27 | ♂ | ♀ 3. small | 3 | | 12 | |
| 24 | ☿ | Sun rif. 6. 34. | 1 | ☿ | 34 | ♂ | ♀ 22. showers. | 3 | | 43 | |
| 25 | ♂ | Lady day | 13 | | 56 | ☿ | h ♀ 6 △ ♂ | 12 | 4 | 10 | |
| 26 | ♂ | Cassius | 26 | | 35 | | The weather not | 4 | | 21 | |
| 27 | ♂ | Sun set. 6. 35. | 9 | ✕ | 38 | △ | h ♀ 12. ☿ ♀ | 22 | 4 | 30 | |
| 28 | ☿ | Eldeon | 23 | | 4 | ☿ | ♀. so good as | 4 | | 44 | |
| 29 | ♂ | Enochius | 6 | ✓ | 54 | ♂ | ♀ 18. at the | 4 | | 56 | |
| 30 | ☾ | Midlent Sun. | 21 | | 7 | ☿ | ♀ 3. * ♂ 3. | New | ☾ | | |
| 31 | ☿ | Balsoma | 5 | ♂ | 33 | ♂ | ♀ beginning. | 8 | A | 36 | |

March 1690.

The { 8 day at noon ♂
18 day at 7 in the morn. ♀
28 day at 10 before noon ♀ } is with the Moon.
28 day at 6 in the morn. ♀
30 day at 8 in the morn. ♀

| | | | | |
|----|----|---|----|---|
| 1 | 3 | A | 30 | <i>Vivite felices, quibus est fortuna peracta,</i> |
| 2 | 4 | | 44 | <i>Jam sua, nos alia ex aliis in fata vocantur.</i> |
| 3 | 5 | | 12 | Day 11 hours and an half long. |
| 4 | 6 | | 2 | |
| 5 | 6 | | 58 | Saturn rises 44 min. past 10 at night. |
| 6 | 7 | | 57 | |
| 7 | 8 | | 55 | |
| 8 | 9 | | 52 | |
| 9 | 10 | | 44 | |
| 10 | 11 | | 52 | Day 12 hours long. |
| 11 | 12 | | 43 | Virgins spick south at 1 in the morning. |
| 12 | 1 | M | 37 | Scorpions Heart south at 4 in the morn. |
| 13 | 2 | | 23 | and rises 30 min. after midnight. |
| 14 | 3 | | 8 | |
| 15 | 3 | | 8 | Jupiter rises 30 min. past 5 in the morn. |
| 16 | 3 | | 54 | |
| 17 | 4 | | 39 | |
| 18 | 5 | | 26 | Seven Stars sets 10 min. past 11 at night. |
| 19 | 6 | | 11 | Day 12 hours and an half long. |
| 20 | 7 | | 2 | |
| 21 | 7 | | 51 | Mercury becomes direct in motion. |
| 22 | 8 | | 39 | |
| 23 | 9 | | 27 | |
| 24 | 10 | | 14 | |
| 25 | 11 | | 8 | |
| 26 | 11 | | 56 | Arcturus south at 1 in the morning. |
| 27 | 12 | | 42 | Day 13 hours long. |
| 28 | 1 | A | 31 | The two Superiours gives their help in hand, |
| 29 | 2 | | 18 | For settling peace and plenty in this Land. |
| 30 | 3 | | 10 | |
| 31 | 4 | | 3 | Mars sets 40 min. past midnight. |

April hath xxx days.

| | |
|--|-----------|
| ☾ First quarter the 6 day, at 3 in the morn. | 1 25 8 16 |
| ● Full moon the 13 day, at 1 afternoon. | 9 24 51 |
| ☾ Last quarter the 21 day, at 4 afternoon. | 17 24 25 |
| ● New moon the 28 day, at 7 at night. | 25 24 X 0 |

| | | | | | | | | | | |
|----|---|-----------------|----|----|----------------------|--------------------|----|----|----|----------------|
| 1 | g | Sun rif. 5. 20. | 20 | 8 | 9 | ☿ ☽ ♀ . * ♄ D 6. | 10 | A | 27 | Moons setting. |
| 2 | a | Mary Egypt | 1 | II | 46 | High winds raising | 11 | 55 | | |
| 3 | b | Christen. | 19 | 20 | ☿ ♄ D 7 | ☽ D 10 | 1 | M | 12 | |
| 4 | c | Embroise | 3 | 5 | 43 | ☽ Perig. Δ h D 20 | 1 | 12 | | |
| 5 | d | Sun set. 6. 48 | 17 | 54 | * ☽ ♀ . Δ ♄ D 11 | 2 | 29 | | | |
| 6 | e | Sund. Lent | 1 | 9 | 48 | ☽ ☽ ♀ . showers. | 2 | 54 | | |
| 7 | f | Celestin. | 15 | 31 | * ☽ ☽ . ☿ h D 1. | 3 | 17 | | | |
| 8 | g | Dionysius | 28 | 58 | Δ ♀ D 2. A Cerene | 3 | 33 | | | |
| 9 | a | Sun rif. 5. 2. | 12 | 13 | * h D 7 | air, and | 3 | 45 | | |
| 10 | b | Ezechiel. | 25 | 19 | D ☽ . ☽ ♄ D 0. | 3 | 52 | | | |
| 11 | c | Leo P. | 8 | 12 | a pleasant time for | 4 | 6 | | | Moons rising. |
| 12 | d | Sun set. 7. 4. | 20 | 54 | Δ ☽ D 20. | many | 4 | 21 | | |
| 13 | e | Palm Sunday | 3 | 26 | ☽ h D 23. ☽ ♀ D 6 | Full | 9 | A | 9 | |
| 14 | f | Thorntons | 15 | 46 | Δ ♄ D 21. days. | 9 | A | 9 | | |
| 15 | g | Olympia | 27 | 58 | Now expect clouds | 10 | 24 | | | |
| 16 | a | Parissus | 10 | 7 | 0 Δ ♄ D 5. and show- | 11 | 31 | | | |
| 17 | b | Anternus | 21 | 58 | D Apog. ers. | 12 | 43 | | | |
| 18 | c | Sun rif. 4. 46 | 3 | 50 | * h D 23 | ☿ ☽ D 4 | 0 | M | 43 | |
| 19 | d | Timothy | 15 | 42 | * ♄ D 23. Variety | 1 | 17 | | | |
| 20 | e | Easter day | 27 | 38 | ☽ h ☽ . w. arber | 1 | 51 | | | |
| 21 | f | Adelar. | 9 | 42 | ☿ h D 10 | ☽ D 14 | 2 | 14 | | Moons rising. |
| 22 | g | Sun set. 7. 21. | 21 | 59 | * ☽ D 1. Cold rain | 2 | 28 | | | |
| 23 | a | S. GEORGE | 4 | X | 35 Δ h D 18 Δ ☽ D 5 | 2 | 43 | | | |
| 24 | b | Hibertus | 17 | 36 | ☽ ☽ h. ☽ ♄ D 18. | 2 | 54 | | | |
| 25 | c | S. Mark | 1 | Y | 4 D 9. ☿ ☽ D 13. | 3 | 6 | | | |
| 26 | d | Sun rif. 4. 30. | 14 | 59 | or hail towards the | 3 | 18 | | | |
| 27 | e | Low Sunday | 29 | 22 | * ☽ D 17. ☽ ☽ D 4 | 3 | 28 | | | |
| 28 | f | Vitalis | 14 | 8 | 10 ☽ h D 0. ☽ ♀ D 17 | New | 9 | A | 29 | |
| 29 | g | Abbylla | 29 | 11 | * ♄ D 0. end of | 9 | A | 29 | | |
| 30 | a | Q M. 2. born. | 14 | II | 14 the month. | 10 | 50 | | | |

April 1690.

The { 3 day at 10 at night ♂
 14 day at 11 before noon ♀
 25 day at 6 in the morn. ♀
 28 day at 4 afternoon ♂
 29 day at 5 in the morn. ♀ } is with the Moon.

| | | | | |
|----|----|---|----|---|
| 1 | 4 | A | 56 | |
| 2 | 5 | | 53 | Venus is with the Sun. |
| 3 | 6 | | 54 | Day 13 hours and an half long. |
| 4 | 7 | | 55 | <i>Dem, ad qua nos tempora refercast.</i> |
| 5 | 8 | | 57 | |
| 6 | 9 | | 55 | |
| 7 | 10 | | 44 | |
| 8 | 11 | | 38 | |
| 9 | 12 | | 23 | |
| 10 | 1 | M | 10 | Day 14 hours long. |
| 11 | 1 | | 57 | Saturn rises 20 min. past 8 at night. |
| 12 | 2 | | 43 | Seven Stars rises 11 min. past 5 in the morn. |
| 13 | 3 | | 27 | and sets 40 min. past 9 at night. |
| 14 | 3 | | 27 | |
| 15 | 4 | | 11 | |
| 16 | 4 | | 19 | |
| 17 | 5 | | 50 | |
| 18 | 6 | | 39 | Day 14 hours and an half long. |
| 19 | 7 | | 28 | |
| 20 | 8 | | 15 | Scorpions Heart rises 11 m. past 10 at night |
| 21 | 9 | | 6 | Scorpions Heart south 38 min. past 1 morn. |
| 22 | 9 | | 54 | |
| 23 | 10 | | 40 | |
| 24 | 11 | | 25 | |
| 25 | 12 | | 12 | Mars sets 10 min. past midnight. |
| 26 | 1 | A | 0 | Day 15 hours long. |
| 27 | 1 | | 52 | Lions Heart south 48 min. past 6 at night |
| 28 | 2 | | 46 | and sets at 2 in the morning |
| 29 | 3 | | 47 | Jupiter rises at 3 in the morning. |
| 30 | 4 | | 46 | |

May hath xxxi days.

| | | | | |
|---|----|----|---|----|
| ☾ First quarter the 5 day, at 10 in the morn. | 1 | 23 | 8 | 41 |
| ● Full moon the 13 day, at 3 in the morn. | 9 | 23 | | 15 |
| ☾ Last quarter the 21 day, at 6 in the morn. | 17 | 22 | | 50 |
| ● New moon the 28 day, at 3 in the morn. | 25 | 22 | ✕ | 24 |

| | | | | | | | | | |
|----|---|-----------------|----|----|----|---------------------|------|------|----------------|
| 1 | b | Phil. & Jacob | 29 | II | 12 | D Perlg. ☐ ✕ D o. | 12 | 10 | Moons setting. |
| 2 | c | Thanasius | 13 | 5 | 53 | △ h D o. Fair and | 0 | M 10 | |
| 3 | d | Sun rif. 4. 19. | 28 | | 16 | * ♂ ♀. ♂ h ♀. | 1 | 3 | |
| 4 | e | 2 after Easter. | 12 | Ω | 18 | ☐ h D 3. ☐ ♀ D 6. | 1 | 24 | |
| 5 | f | Gothard. | 25 | | 52 | △ h ♂. * ✕ ♀. | 1 | 40 | |
| 6 | g | Sun set. 7. 46. | 9 | ☿ | 9 | * h D 9. * ♂ D 10 | 1 | 54 | |
| 7 | a | Term begins | 22 | | 11 | D ♀. ♂ ✕ D 16. | 2 | 4 | |
| 8 | b | Stenillus | 4 | ♈ | 57 | ☐ ♂ D 22 △ ♀ D 2 | 2 | 11 | |
| 9 | c | Stobe | 17 | | 33 | wholsome winds | 2 | 17 | |
| 10 | d | Sun rif. 4. 8. | 29 | | 58 | producing fruitfull | 2 | 28 | |
| 11 | e | 3 after Easter | 12 | ♏ | 16 | * ☐ ✕. ♂ h D 2. | 2 | 39 | Moons rising. |
| 12 | f | Gordian | 24 | | 26 | * ✕ ♀. ♂ ☐ ♀. | 2 | 58 | |
| 13 | g | Herbatus | 6 | ♁ | 32 | ♂ ♀ D 13. showers | Full | ● | |
| 14 | a | Fortuna | 18 | | 31 | at or about this | 10A | 28 | |
| 15 | b | Sun set. 7. 58. | 0 | ♊ | 26 | D Apog. ☐ ✕ D 3. | 11 | 19 | |
| 16 | c | Peregrin. | 12 | | 19 | ☐ ♂ D 18. time of | 12 | 3 | |
| 17 | d | Yodocus | 24 | | 13 | * ♀ D 16 the month | 0 | M 3 | |
| 18 | e | 4 after Easter. | 6 | ♈ | 10 | ☐ h D 14 △ ♀ D 22 | 0 | 21 | |
| 19 | f | Sarah | 18 | | 14 | △ ♀ D 2. Clouds | 0 | 40 | |
| 20 | g | Sun rif. 3. 55. | 0 | ♊ | 29 | arising and perhaps | 0 | 54 | |
| 21 | a | Wadent. | 13 | | 2 | ♂ ♀ ♀. △ h D o. | 1 | 2 | D sets |
| 22 | b | Helena | 25 | | 57 | D ♀. ♂ ✕ D 14. | 1 | 12 | |
| 23 | c | Wader. | 9 | ♊ | 19 | some drops of | 1 | 22 | |
| 24 | d | Sun set. 8. 8. | 23 | | 12 | ☐ ♂ D 5. * ♀ D 4. | 1 | 33 | |
| 25 | e | 5 after Easter | 7 | ♊ | 34 | ♂ h D 10. rain. | 1 | 46 | |
| 26 | f | Edward | 22 | | 25 | * ✕ D 16 * ♂ D 9 | 2 | 1 | |
| 27 | g | Weda V. | 7 | II | 36 | ☐ ✕ ♀. High winds | 2 | 22 | |
| 28 | a | Sun rif. 3. 51. | 22 | | 54 | ☐ ✕ D 16 ♂ ♀ D 12 | New | ☾ | |
| 29 | b | K. Char. 2 Nar | 8 | | 10 | D Perig. △ h D. | 10A | 47 | |
| 30 | c | Wigand | 22 | | 12 | △ ✕ D 16. ♂ ♂ D 12 | 11 | 15 | |
| 31 | d | Petronei | 7 | Ω | 50 | ☐ ✕ ♀. but no rain | 11 | 43 | |

May 1690.

2 day at 9 in the morn. ♂
 1 day at 2 in the morn. ♀
 The 3 day at 2 in the morn. ♀
 28 day at midnight ♀
 29 day at 9 in the morn. ♀

} is with the Moon.

| | | | | |
|----|----|---|----|--|
| 1 | 5 | A | 52 | |
| 2 | 6 | | 57 | Some like the Sun do shine full bright, |
| 3 | 7 | | 54 | Yet like the day must have their night. |
| 4 | 8 | | 50 | Day 15 hours and an half long. |
| 5 | 9 | | 39 | |
| 6 | 10 | | 28 | |
| 7 | 11 | | 13 | Mars sets 47 min. past 11 at night. |
| 8 | 11 | | 56 | |
| 9 | 12 | | 40 | Virgins Spick south 20 min. past 9 at night, |
| 10 | 1 | M | 26 | and sets 30 min. past 2 in the morn. |
| 11 | 2 | | 13 | |
| 12 | 2 | | 59 | |
| 13 | 3 | | 48 | |
| 14 | 3 | | 48 | Arcturus south 52 min. past 9 at night. |
| 15 | 4 | | 34 | Jupiter rises 5 min. past 2 in the morn. |
| 16 | 5 | | 20 | Day 16 hours long. |
| 17 | 6 | | 12 | Saturn south 26 min. past 10 at night. |
| 18 | 7 | | 3 | |
| 19 | 7 | | 41 | |
| 20 | 8 | | 34 | |
| 21 | 9 | | 19 | |
| 22 | 10 | | 4 | |
| 23 | 10 | | 48 | |
| 24 | 11 | | 38 | Scor. Heart rises 50 min. past 7 at night. |
| 25 | 12 | | 27 | Scor. Heart south 45 min. past 12 at night. |
| 26 | 1 | A | 26 | Scor. Heart sets 40 min past 3 in the morn. |
| 27 | 2 | | 28 | Mercury sets 50 min. past 9 at night. |
| 28 | 3 | | 32 | |
| 29 | 4 | | 34 | Venus sets 17 min. past 9 at night. |
| 30 | 5 | | 34 | Day 16 hours and an half long. |
| 31 | 6 | | 40 | |

June hath xxx days.

| | | | | |
|---|----|----|---|----|
| ☾ First quarter the 3 day, at 7 at night. | 1 | 22 | ♈ | 2 |
| ● Full moon the 11 day, at 6 at night. | 9 | 21 | | 36 |
| ☾ Last quarter the 19 day, at 6 at night. | 17 | 21 | | 11 |
| ● New moon the 26 day, at 8 in the morn. | 25 | 26 | ✕ | 46 |

| | | | | | | | | | | | | | | | | |
|----|---|-----------------|----------------|----|---|----|---|---|----|-----|---|----|----|----|----------------|---------------|
| 1 | ☾ | 6 | after E. ster. | 22 | ♈ | 1 | △ | h | ♀. | * h | D | 12 | 11 | 51 | Moons setting. | |
| 2 | f | Term ends | | 5 | ♉ | 44 | | | | | | | 12 | 8 | | |
| 3 | B | Sun rif. 3. 43. | | 19 | | 1 | | | | | | | 0 | M | | 8 |
| 4 | a | Quirinus | | 1 | ♊ | 57 | | | | | | | 0 | | | 18 |
| 5 | b | Boniface | | 14 | | 36 | | | | | | | 0 | | | 24 |
| 6 | c | Artemid. | | 27 | | 0 | | | | | | | 0 | | | 31 |
| 7 | d | Sun set. 8. 18 | | 9 | m | 14 | | | | | | | 0 | | | 45 |
| 8 | ☾ | Whit-funday | | 21 | | 22 | | | | | | | 1 | | | 0 |
| 9 | f | Barnm. | | 3 | f | 23 | | | | | | | 1 | | | 16 |
| 10 | B | Quirinus | | 15 | | 22 | | | | | | | | | | 42 |
| 11 | a | S. Barnabas | | 27 | | 18 | | | | | | | | | Full | Moons rising. |
| 12 | b | Sun rif. 3. 40. | | 9 | v | 13 | | | | | | | 10 | A | 0 | |
| 13 | c | Cyzillus | | 21 | | 9 | | | | | | | 10 | | 23 | |
| 14 | d | Waterius | | 3 | ♋ | 6 | | | | | | | 10 | | 42 | |
| 15 | ☾ | Trinity Sund. | | 15 | | 7 | | | | | | | 10 | | 58 | |
| 16 | f | Kulandag | | 27 | | 15 | | | | | | | 11 | | 9 | |
| 17 | B | Sun set. 8. 18. | | 9 | ✕ | 34 | | | | | | | 11 | | 19 | |
| 18 | a | Domer | | 22 | | 8 | | | | | | | 11 | | 28 | |
| 19 | b | Gerbase | | 5 | v | 0 | | | | | | | 11 | | 36 | |
| 20 | c | Term begins | | 18 | | 15 | | | | | | | 11 | | 45 | |
| 21 | d | Albanus | | 1 | ♌ | 9 | | | | | | | 12 | | 0 | New |
| 22 | ☾ | 1 after Trin. | | 16 | | 13 | | | | | | | 0 | M | 0 | |
| 23 | f | Sun rif. 3. 34. | | 0 | ♍ | 53 | | | | | | | 0 | | 19 | |
| 24 | B | S. John Bapt. | | 15 | | 53 | | | | | | | 0 | | 44 | |
| 25 | a | Elegius | | 1 | ♎ | 14 | | | | | | | 1 | | 33 | |
| 26 | b | Sun set. 8. 14. | | 16 | | 33 | | | | | | | | | | |
| 27 | c | 7 Miespers | | 1 | ♏ | 42 | | | | | | | 9 | A | 28 | |
| 28 | d | Leo | | 16 | | 35 | | | | | | | 9 | | 57 | |
| 29 | ☾ | S. Pet. & Paul | | 0 | ♐ | 55 | | | | | | | 10 | | 12 | |
| 30 | f | Com. S. Paul | | 14 | | 49 | | | | | | | 10 | | 26 | |

June 1690.

The { 7 day at 5 afternoon h
19 day at 3 afternoon v
27 day at 6 at night o
27 day at 9 at night y
28 day at 1 afternoon o } is With the Moon.

| | | | | |
|----|----|---|----|--|
| 1 | 7 | A | 30 | |
| 2 | 8 | | 20 | <i>Magna est ueritas, & preualet.</i> |
| 3 | 9 | | 8 | <i>Saturn south 10 min. past 9 at night.</i> |
| 4 | 9 | | 56 | <i>Saturn sets 50 min. past 1 in the morning.</i> |
| 5 | 10 | | 37 | |
| 6 | 11 | | 23 | |
| 7 | 12 | | 8 | |
| 8 | 0 | M | 54 | |
| 9 | 1 | | 31 | <i>Scorpions Heart south 17 past 10 at night,</i> |
| 10 | 2 | | 30 | <i>and sets 42 min. past 1 in the morn.</i> |
| 11 | 3 | | 20 | <i>Longest Day 16 hours 40 minutes.</i> |
| 12 | 3 | | 20 | |
| 13 | 4 | | 2 | |
| 14 | 4 | | 49 | |
| 15 | 5 | | 39 | |
| 16 | 6 | | 20 | <i>Mars sets 11 min. past 10 at night.</i> |
| 17 | 7 | | 6 | <i>Arcturus south 34 min. past 7 at night, and</i> |
| 18 | 7 | | 51 | <i>sets 40 min. past 3 in the morning.</i> |
| 19 | 8 | | 35 | <i>Venus sets 28 min. past 9 at night.</i> |
| 20 | | | 22 | |
| 21 | 10 | | 9 | |
| 22 | 11 | | 0 | |
| 23 | 12 | | 0 | |
| 24 | 1 | A | 2 | |
| 25 | 2 | | 6 | |
| 26 | 3 | | 10 | <i>Obsequendum est amicis usque ad aras.</i> |
| 27 | 4 | | 14 | <i>Day 16 hours and an half long.</i> |
| 28 | 5 | | 11 | <i>Mercury becomes retrograde in motion.</i> |
| 29 | 6 | | 6 | <i>Jupiter rises 15 min. past 11 at night.</i> |
| 30 | 6 | | 54 | |

July hath xxxi days.

| | | | |
|--|----|----|------|
| ☾ First quarter the 3 day, at 7 in the morn. | 1 | 20 | ♂ 27 |
| ● Full moon the 11 day, at 10 in the morn. | 9 | 20 | 1 |
| ☾ Last quarter the 19 day, at 2 in the morn. | 17 | 19 | 36 |
| ● New moon the 25 day, at 5 afternoon. | 25 | 19 | ✕ 11 |

| | | | | | | | | |
|----|---|-----------------|----|------|---------------------|------|------|----------------|
| 1 | ♂ | Sun rif. 3. 51. | 28 | ♂ 13 | D ♀. ♂ ♀ D 16. | 10 | A 38 | Moons setting. |
| 2 | a | Visit. V. Mary | 11 | ♂ 12 | * ♂ D 17. * ♀ D 4 | 10 | 48 | |
| 3 | b | Cornelius | 23 | 50 | ☐ ♀ D 18. Fair and | 10 | 57 | |
| 4 | c | Elricus | 6 | m 10 | ♂ h D 10. ☐ ♀ D 20. | 11 | 6 | |
| 5 | d | Sun set. 8. 3. | 18 | 20 | ☐ ♂ D 6. dry for | 11 | 20 | |
| 6 | e | 3 after Trin. | 0 | † 20 | △ ♀ D 14. △ ♀ D 3 | 11 | 44 | |
| 7 | f | Demetrius | 12 | 18 | △ ♂ D 14. △ ♀ D 15 | 12 | 17 | |
| 8 | g | Chilian | 24 | 12 | D Apog. * h D. | 0 | M 17 | |
| 9 | a | Term ends | 6 | vp 7 | * h D 10. ☐ ♀ D 3 | 1 | 0 | |
| 10 | b | 7 Fratres | 18 | 2 | ♂ ♀ D 21. some | 2 | 0 | |
| 11 | c | Sun rif. 4. 3. | 0 | ☾ 3 | ♂ ☉ ♀. ☐ h D 22. | Full | ● | Moons rising. |
| 12 | d | Mercurius | 12 | 8 | days together. | 8 | A 1 | |
| 13 | e | 4 after Trin. | 24 | 18 | ♂ ♂ D 5. ♂ ♀ D 4 | 9 | 11 | |
| 14 | f | Bonavent. | 6 | ✕ 37 | ♂ ♂ ♀. △ h D 9. | 9 | 21 | |
| 15 | g | Swithin | 19 | 7 | D ♀. △ ♀ D 13. | 9 | 29 | |
| 16 | a | Sun set. 7. 50. | 1 | ✓ 49 | ♂ ♀ D 11. Gentle | 9 | 34 | |
| 17 | b | Alexius | 14 | 47 | ☐ ♀ D 17. showers. | 9 | 40 | |
| 18 | c | Maternus | 28 | 3 | ♂ h D 23. △ ♂ D 3 | 9 | 47 | |
| 19 | d | Dog days be. | 11 | ♂ 50 | * ♀ D 21. Good | 10 | 9 | |
| 20 | e | 5 after Trin. | 25 | 50 | △ ☉ ♀. * ♀ D 18. | 10 | 33 | |
| 21 | f | Sun rif. 4. 16. | 10 | II 4 | Hay weather. | 11 | 10 | D let. |
| 22 | g | Mary Mag. | 24 | 8 | ☐ ♀ D 20. * ♂ D 13 | 12 | 6 | |
| 23 | a | Spollin. | 9 | ☐ 47 | D Perig. △ h D. | 0 | M 6 | |
| 24 | b | Christina | 24 | 52 | ☐ ☉ h. △ ♀ D 19. | 4 | 41 | |
| 25 | c | S. James Ap. | 9 | ♂ 53 | ☐ h D 4. Drops of | New | ☾ | |
| 26 | d | Sun set. 7. 36. | 24 | 42 | * h ♀. ♂ ♂ D 17 | 8 | A 5 | |
| 27 | e | 6 after Trin. | 9 | ♂ 7 | ♂ ♀ D 7. rain. | 8 | 16 | |
| 28 | f | Barthol. | 23 | 8 | D ♀. * ♀ D 6. | 8 | 34 | |
| 29 | g | Beatrice | 6 | ☐ 41 | ♂ ♀ D 1. Variable | 8 | 51 | |
| 30 | a | Sun rif. 4. 33. | 19 | 47 | ☐ ♀ D 16. and un- | 9 | 3 | |
| 31 | b | German | 2 | m 29 | constant weather. | 9 | 17 | |

July 1690.

The { 4 day at 10 at night h
16 day at 11 at night 2
24 day at 11 beforenoon 0 } is with the Moon.
27 day at 5 in the morn. 8
27 day at 7 at night 0

| | | | |
|----|----|------|---|
| 1 | 7 | A 44 | |
| 2 | 8 | 30 | Jupiter rises 56 min. past 10 at night. |
| 3 | 9 | 14 | |
| 4 | 9 | 58 | |
| 5 | 10 | 42 | |
| 6 | 11 | 21 | Antares south 24 min. past 8 at night, and sets 51 min. past 11 at night. |
| 7 | 12 | 19 | |
| 8 | 1 | M 10 | Mars sets 6 min. past 9 at night. |
| 9 | 1 | 58 | Day 16 hours long. |
| 10 | 2 | 34 | |
| 11 | 3 | 36 | |
| 12 | 3 | 36 | |
| 13 | 4 | 16 | |
| 14 | 5 | 2 | |
| 15 | 5 | 44 | |
| 16 | 6 | 32 | Arcturus south 35 min. past 5 at night, and sets 34 min. past 1 in the morning. |
| 17 | 7 | 17 | |
| 18 | 8 | 2 | Head of Hercules south 25 m. p. 8 at night, and sets 45 min. past 3 in the morn. |
| 19 | 8 | 51 | Day 15 hours and an half long. |
| 20 | 9 | 42 | |
| 21 | 10 | 41 | |
| 22 | 11 | 37 | |
| 23 | 12 | 42 | |
| 24 | 1 | A 47 | |
| 25 | 2 | 49 | |
| 26 | 3 | 10 | |
| 27 | 4 | 38 | Saturn sets 21 min. past 10 at night. |
| 28 | 5 | 30 | Venus sets half an hour past 8 at night. |
| 29 | 6 | 19 | Day 15 hours long. |
| 30 | 7 | 6 | Seven Stars rises 56 min. past 9 at night. |
| 31 | 7 | 53 | |

August hath xxxi days.

| | | | | | |
|---|--|----|----|---|----|
| ☾ | First quarter the 1 day, at 8 at night. | 1 | 18 | 0 | 48 |
| ● | Full moon the 9 day, at midnight. | 9 | 18 | | 23 |
| ☾ | Last quarter the 17 day, at 8 in the morn. | 17 | 17 | | 7 |
| ● | New moon the 24 day, at 1 in the morn. | 25 | 17 | X | 32 |
| ☾ | First quarter the 31 day, at 2 afternoon. | | | | |

| | | | | | | | | | | |
|----|---|-----------------|----|----|----|----------------------|------|---|----|----------------|
| 1 | c | Lammas Day | 14 | m | 52 | Seasonable and | 9 | A | 37 | |
| 2 | d | Sun set. 7. 21. | 27 | | 0 | △ ♀ D 22. △ ♀ D 7 | 9 | | 51 | |
| 3 | ☾ | 7 after Trin. | 8 | ♂ | 0 | ☐ ♂ D 4. good | 10 | | 18 | Diet. |
| 4 | c | Britharch. | 20 | | 53 | harvest weather. | 11 | | 57 | |
| 5 | d | Alwald. | 2 | vy | 45 | Apog. * h D. | 12 | | 59 | |
| 6 | a | Sun rif. 4. 45. | 14 | | 40 | △ ♀ D. △ ♀ D 12 | 0 | M | 59 | |
| 7 | b | Asta | 26 | | 37 | * h ♂. * ♀ D 20 | 2 | | 11 | |
| 8 | c | Radulfus | 8 | ☐ | 44 | ☐ h D 7. ♂ ♀ D 2. | 3 | | 31 | |
| 9 | o | Romanus | 21 | | 1 | ☐ h ♀. Cloudy | Full | ☉ | | |
| 10 | ☾ | 8 after Trin. | 3 | X | 22 | △ h D 17. perhaps | 7 | A | 30 | |
| 11 | c | Sun set. 7. 4. | 15 | | 59 | D 16. bringing rain | 7 | | 40 | Moons rising. |
| 12 | d | Alara | 28 | | 46 | ♂ ♀ D 15. with | 7 | | 50 | |
| 13 | a | Hippolit. | 11 | v | 48 | △ ♀ D 14. thun- | 8 | | 1 | |
| 14 | b | Sun rif. 5. 1. | 25 | | | oder and lightning. | 8 | | 11 | |
| 15 | c | Assump Mary | 8 | ♂ | 2 | ♂ h D 8. △ ♂ D 16. | 8 | | 26 | |
| 16 | d | Wochus | 22 | | 7 | △ ♀ D 23. ☐ ♀ D 4 | 8 | | 45 | |
| 17 | ☾ | 9 after Trin. | 6 | II | 3 | ♂ ♀ ♀. * ♀ D 0. | 9 | | 19 | |
| 18 | c | Helena | 20 | | 11 | * ♀ D 16. Windy | 10 | | 8 | |
| 19 | d | Sun set. 6. 50. | 4 | ☐ | 34 | D Perig. △ h D. | 11 | | 16 | |
| 20 | a | Bernard | 19 | | 7 | * ♂ D 3. with | 12 | | 35 | |
| 21 | b | Thanasius | 3 | ☐ | 46 | ☐ h D 15. △ ♀ D 3 | 0 | M | 36 | |
| 22 | c | Symphoz. | 18 | | 22 | dark Clouds. | 2 | | 23 | |
| 23 | d | Sun rif. 5. 18. | 2 | ☐ | 52 | * h D 17. ♂ ♀ D 10 | 4 | | 0 | |
| 24 | ☾ | S. Bartholom. | 17 | | 11 | D ♀. ♂ ♂ D 11. | New | ☾ | | Moons setting. |
| 25 | c | Audobicus | 1 | ☐ | 6 | ☐ ♂. ♂ ♀ D 8. | 7 | A | 3 | |
| 26 | d | Freneus | 14 | | 38 | * ☐. h. ♀. ♂ ♀ D 4 | 7 | | 16 | |
| 27 | a | Sun set. 6. 14. | 27 | | 48 | Seasonable and | 7 | | 26 | |
| 28 | b | Dog days end | 10 | m | 34 | ♂ h D 6. * ♀ D 17 | 7 | | 38 | |
| 29 | c | Decol. J. B. | 23 | | 3 | △ ♀ D 22. * ♂ D 17 | 7 | | 57 | |
| 30 | d | Sun rif. 6. 12. | 6 | ♂ | 13 | good weather. | 8 | | 20 | |
| 31 | ☾ | 11 after Trin. | 17 | | 12 | ☐ ♂ D. * ♀ D. ☐ ♀ D. | 9 | | 1 | |

August 1690.

The { 13 day at 3 in the morn. } is with the Moon.
 { 23 day at 10 at night }
 { 24 day at 11 at night }
 { 25 day at 4 afternoon }
 { 28 day at 6 at night }

| | | | | |
|----|----|---|----|---|
| 1 | 8 | A | 38 | Why wonder we, since former ages can |
| 2 | 9 | | 26 | Inform our Judgements of all sorts of men. |
| 3 | 10 | | 10 | 'Twere better tho such things were never known |
| 4 | 11 | | 2 | That spoils themselves, and all such where they'r |
| 5 | 11 | | 55 | (Journ. |
| 6 | 12 | | 43 | Day 14 hours and an half long. |
| 7 | 1 | M | 30 | |
| 8 | 2 | | 19 | |
| 9 | 3 | A | 7 | |
| 10 | 3 | | 7 | |
| 11 | 3 | | 52 | Saturn sets 25 min. past 9 at night. |
| 12 | 4 | | 31 | Venus sets 3 min. past 8 at night. |
| 13 | 5 | | 15 | Day 14 hours long. |
| 14 | 6 | | 4 | Seven Stars rises at 9 at night. |
| 15 | 6 | | 49 | |
| 16 | 7 | | 44 | |
| 17 | 8 | | 39 | |
| 18 | 9 | | 38 | |
| 19 | 10 | | 35 | Mars sets 15 min. past 7 at night. |
| 20 | 11 | | 43 | |
| 21 | 12 | | 41 | Day 13 hours and an half long. |
| 22 | 1 | A | 37 | |
| 23 | 2 | | 41 | |
| 24 | 3 | | 27 | |
| 25 | 4 | | 16 | |
| 26 | 5 | | 3 | Seven Stars rises 13 min. past 8 at night. |
| 27 | 5 | | 53 | Seven Stars fouls 26 min. past 4 morn. |
| 28 | 6 | | 38 | Jupiter riseth 15 min. past 7 at night. |
| 29 | 7 | | 28 | Day 13 hours long. |
| 30 | 8 | | 16 | Vulc & new vulc pigr. |
| 31 | 9 | | 6 | |

September hath xxx days.

- Full moon the 8 day, at 2 in the afternoon 1 17 06 10
- ☾ Last quarter the 15 day, at 3 afternoon. 9 16 44
- New moon the 22 day, at 1 afternoon. 17 16 19
- ☾ First quarter the 30 day, at 9 in the morn. 25 15 54

| | | | | | | | | | |
|----|---|-----------------|----|----|---------------------|----|------|----|----------------|
| 1 | f | Egidius | 29 | 4 | ☾ 10. Warme. | 9 | A | 54 | Dec. |
| 2 | g | Rachel | 10 | 56 | ☾ Apog. Δ h D 6. | 10 | | 57 | |
| 3 | a | Sun rif. 5. 41. | 32 | 49 | * 22. Δ δ D 16. | 12 | | 15 | |
| 4 | b | Theodosius | 4 | 40 | ☾ δ D 19. | 0 | M | 15 | |
| 5 | c | Zachary | 16 | 57 | Δ δ D 23. High | 1 | | 25 | |
| 6 | d | Sun set. 6. 13. | 29 | 20 | ☾ 23. winds. | 2 | | 41 | |
| 7 | e | 12 after Trin. | 11 | 59 | ☾ 23. Δ h D 5. | 4 | | 2 | |
| 8 | f | Nativ. V.M. | 24 | 53 | ☾ Eclipsed. ☾ 23. | | Full | ● | |
| 9 | g | Sun set. 6. 8. | 8 | 4 | ☾ 23. δ D 1. | 6 | A | 14 | |
| 10 | a | Softhenes | 21 | 30 | ☾ 23. Dry and | 6 | | 25 | Moons rising. |
| 11 | b | Theobald | 5 | 5 | ☾ h D 16. windy | 6 | | 39 | |
| 12 | c | Cobias | 18 | 57 | * 23. several | 6 | | 54 | |
| 13 | d | Sun rif. 5. 59 | 2 | 57 | Δ δ D 7. days. | 7 | | 25 | |
| 14 | e | 13 after Trin. | 16 | 58 | ☾ 23. Δ δ D 0. | 8 | | 11 | |
| 15 | f | Alcomed. | 1 | 3 | ☾ 23. Δ δ D 12. | 9 | | 8 | |
| 16 | g | Euphem. | 14 | 13 | ☾ Perig. Δ h D. | 10 | | 24 | |
| 17 | a | Sun sets 5. 50 | 29 | 24 | Δ 23. * δ D 16 | 12 | | 0 | |
| 18 | b | Ferriolus | 13 | 34 | ☾ h D 4. * δ D 18. | 0 | M | 0 | |
| 19 | c | Jaspertus | 27 | 41 | About now expect | 1 | | 44 | Moons setting. |
| 20 | d | Sun rif. 6. 16. | 41 | 42 | ☾ 23. * h D 7. | 3 | | 13 | |
| 21 | e | S. Matthew | 25 | 35 | ☾ h 2. δ 23 D 10. | 4 | | 41 | |
| 22 | f | Maurice | 9 | 13 | ☾ δ D 6. cold snow. | | New | ☾ | |
| 23 | g | Isid | 22 | 36 | ☾ δ D 16. ers of | 5 | A | 38 | |
| 24 | a | Sun set. 5. 36. | 5 | 41 | ☾ h D 20. rain, | 5 | | 52 | |
| 25 | b | Eleophas | 18 | 57 | ☾ δ D 4. soon after | 6 | | 8 | |
| 26 | c | Cyprian | 0 | 55 | Δ 23. clear with | 6 | | 33 | |
| 27 | d | Sun rif. 6. 30. | 13 | 8 | * δ 23. wholesome | 7 | | 1 | |
| 28 | e | 15 after Trin. | 25 | 9 | gails of wind. | 7 | | 55 | |
| 29 | f | S. Michael | 7 | 57 | ☾ Apog. * h D 20. | 8 | | 50 | |
| 30 | g | Sun set. 5. 2. | 18 | 50 | ☾ 23. * δ D. | 9 | | 53 | |

September 1690.

The { 9 day at 3 in the morn. ♄
 22 day at 6 afternoon ♂
 24 day at 4 in the morn. ♀
 25 day at 8 in the morn. ♄
 25 day at 4 afternoon ♀ } is with the Moon.

| | | | |
|----|----|------|--|
| 1 | 9 | A 55 | Oh that men were wise, then would the I- |
| 2 | 10 | 43 | mage of Eternity begin to be reformed in them, |
| 3 | 11 | 31 | then would they order things presents wisely, |
| 4 | 12 | 19 | and foresee things to come providently. Bern. |
| 5 | 1 | M 8 | |
| 6 | 1 | 52 | Day 12 hours and an half long. |
| 7 | 2 | 39 | |
| 8 | 3 | 24 | |
| 9 | 3 | 24 | |
| 10 | 4 | 10 | |
| 11 | 5 | 2 | Jupiter rises 20 min. past 6 at night. |
| 12 | 5 | 52 | Seven Stars rises 18 min. past 7 at night. |
| 13 | 6 | 45 | Seven Stars south 31 min p. 3 in the morn. |
| 14 | 7 | 44 | Day 12 hours long. |
| 15 | 8 | 41 | |
| 16 | 9 | 38 | |
| 17 | 10 | 44 | |
| 18 | 11 | 38 | Mars sets 54 min. past 5 at night. |
| 19 | 12 | 33 | |
| 20 | 1 | A 22 | Saturn sets 10 min. past 7 at night. |
| 21 | 2 | 10 | Day 11 hours and an half long. |
| 22 | 3 | 1 | |
| 23 | 3 | 45 | |
| 24 | 4 | 37 | |
| 25 | 5 | 24 | Venus sets 40 min. past 6 at night. |
| 26 | 6 | 14 | Aldebaran rises at 8 at night. |
| 27 | 7 | 7 | Aldebaran south 24 min. past 3 in the morn. |
| 28 | 7 | 56 | Day 11 hours long. |
| 29 | 8 | 46 | |
| 30 | 9 | 36 | Mercury sets 50 min. past 5 at night. |

October hath xxxi days.

- Full moon the 8 day, at 3 in the morn. 1 15 35
- ☾ Last quarter the 14 day, at 9 at night. 9 15 9
- New moon the 22 day, at 3 in the morn. 17 14 44
- ☾ First quarter the 30 day, at 6 in the morn. 24 14 18

| | | | | | | | | |
|----|---|-----------------|----|----|--------------------|------|----|----------------|
| 1 | a | Sun rif. 6. 38. | 0 | 41 | * 24 D O. Fair and | 11 A | 51 | D let. |
| 2 | b | Reobegar. | 12 | 38 | ☐ h 29 Δ ♂ 13 | 12 | 34 | |
| 3 | c | Stimplic. | 21 | 42 | Δ * ♀ ☐ ♀ D 12 | 0 M | 3 | |
| 4 | d | Sun set. 4. 15. | 7 | 14 | Δ h 18 Δ ♀ D 15 | 1 | 51 | |
| 5 | e | 16 after Trin. | 20 | 0 | ☐ ♀ ♂ * D 17. | 3 | 15 | Moons rising. |
| 6 | f | Aurelia | 3 | 9 | ♂ h ♀. Δ ♀ D 1. | 4 | 39 | |
| 7 | g | Sps | 16 | 39 | ♂ ♂ D 11. clear | 5 | 40 | |
| 8 | a | Sun rif. 6. 52. | 0 | 31 | sun shine weather. | Full | 0 | |
| 9 | b | Dionysus | 14 | 39 | ♂ h D 6. ♂ ♀ D 11 | 5 A | 1 | Moons setting. |
| 10 | c | Gideon | 28 | 58 | * ♀ D 10 ♀ D 18 | 5 | 31 | |
| 11 | d | Burchard | 13 | 24 | Δ ♂ D 20 No great | 6 | 10 | |
| 12 | e | 17 after Trin. | 27 | 46 | ☐ * D 12. altera- | 7 | 6 | |
| 13 | f | Sun set. 4. 58. | 12 | 5 | D Perig. tion. | 8 | 28 | Moons rising. |
| 14 | g | Calixtus | 26 | 14 | Δ * D 5. ☐ ♂ D 1. | 9 | 51 | |
| 15 | a | Medwig. | 10 | 15 | ☐ h D 14 Δ ♀ D 8 | 11 | 22 | |
| 16 | b | Gallus | 24 | 6 | * ♂ D 8. ☐ ♀ D 4. | 12 | 52 | |
| 17 | c | Sun rif. 7. 10. | 7 | 49 | * h 19. ☐ ♀ D 18 | 0 M | 52 | Moons setting. |
| 18 | d | S. Luke Evan. | 21 | 22 | D ♀. ♂ * D 13. | 2 | 17 | |
| 19 | e | 18 after Trin. | 4 | 47 | Winds raising | 3 | 42 | |
| 20 | f | Wendelin | 18 | 2 | * ♀ D 5 clouds | 5 | 5 | |
| 21 | g | Sun set. 4. 42. | 1 | 6 | ♂ ♂ D producing | 6 | 25 | Moons rising. |
| 22 | a | Cordula | 13 | 55 | ♂ h D 10. rain. | New | D | |
| 23 | b | Term begins | 26 | 32 | Δ * D 3. ♀ D 2. | 4 A | 42 | |
| 24 | c | Salome | 8 | 56 | Now may be ex- | 5 | 1 | |
| 25 | d | Sun rif. 7. 25. | 21 | 6 | ☐ * D 14. pecked | 5 | 51 | Moons setting. |
| 26 | e | 19 after Trin. | 3 | 7 | ☐ * ♀. * h D 10 | 6 | 41 | |
| 27 | f | Aligoria | 14 | 59 | D Apog. * ♀ D. | 7 | 56 | |
| 28 | g | S. Sim. & Jude | 26 | 48 | ☐ h D 23. * * D 29 | 9 | 0 | |
| 29 | a | Sun set. 7. 32. | 8 | 39 | cold frosty morn. | 10 | 15 | Moons rising. |
| 30 | b | Wifolon | 20 | 33 | ☐ * D 4. nings. | 11 | 34 | |
| 31 | c | Wolfgang | 28 | 41 | ♂ h ♀. Δ ♂ D. | 12 | 52 | |

October 1690.

The { 6 day at 5 in the morn. π
 21 day at 1 afternoon δ
 22 day at 10 at night h
 23 day at 2 afternoon g
 24 day at 10 at night g } is with the Moon.

| | | | |
|----|-----|-----|--|
| 1 | 10A | 25 | |
| 2 | 11 | 10 | <i>It is no wonder for to see men Dye</i> |
| 3 | 11 | 57 | <i>The Great must go as well as you and I.</i> |
| 4 | 12 | 42 | <i>Day 10 hours and 39 half long.</i> |
| 5 | 1 | M25 | |
| 6 | 2 | 9 | |
| 7 | 2 | 59 | |
| 8 | 3 | 51 | |
| 9 | 3 | 51 | <i>Jupiter South 16 min. past 10 at night.</i> |
| 10 | 4 | 48 | <i>Seven Stars rises at 30 min. past 5 at night.</i> |
| 11 | 5 | 47 | <i>Seven Stars South 43 m. n. past 1 in the mor.</i> |
| 12 | 6 | 47 | <i>Day 10 hours long.</i> |
| 13 | 7 | 49 | |
| 14 | 8 | 46 | |
| 15 | 9 | 45 | |
| 16 | 10 | 37 | |
| 17 | 11 | 26 | |
| 18 | 12 | 15 | |
| 19 | 1 | A 2 | <i>Mars riseth 40 min. past 6 in the morn.</i> |
| 20 | 1 | 50 | <i>Day 9 hours and an half long.</i> |
| 21 | 2 | 36 | <i>Saturn sets 21 min. past 5 at night.</i> |
| 22 | 3 | 21 | <i>Venus sets 26 min. past 6 at night.</i> |
| 23 | 4 | 14 | |
| 24 | 5 | 0 | |
| 25 | 5 | 52 | |
| 26 | 6 | 41 | |
| 27 | 7 | 34 | |
| 28 | 8 | 16 | <i>Day 9 hours long.</i> |
| 29 | 9 | 6 | <i>Seven Stars South 30 min. past midnight.</i> |
| 30 | 9 | 51 | <i>Aldebaran South 18 m. past 1 in the morn.</i> |
| 31 | 10 | 38 | |

November hath xxx days.

| | | | | |
|--|----|----|---|----|
| ● Full moon the 6 day, at 3 in the afternoon | 1 | 13 | ♂ | 56 |
| ☾ Last quarter the 13 day, at 6 in the morn. | 9 | 13 | | 30 |
| ● New moon the 20 day, at 7 at night. | 17 | 13 | | 5 |
| ☾ First quarter the 29 day at 2 in the morn. | 25 | 12 | ✕ | 40 |

| | | | | | | | | | | | | | | | | | | | |
|----|---|-----------------|----|----|----|--------------------|--------|----|------------|------------|-----|-----|------|----|----|-------------------|--|--|--|
| 1 | N | All Saints | 15 | X | 6 | ♂ | ♂ | ♀. | Δ | h | D | 10 | 0 | M | 52 | D set. | | | |
| 2 | ☾ | 20 after Trin. | 27 | | 49 | ♂ | ♂ | h. | ♀ | ♀ | D | 13. | 2 | | 8 | | | | |
| 3 | f | Sun rif. 7. 41. | 11 | ✓ | 2 | Snow, with hail or | | | | | | | 3 | | 28 | | | | |
| 4 | g | Modestine | 24 | | 41 | Δ | ♀ | D | 22. | cold rain. | | | 4 | | 50 | Moens rising. | | | |
| 5 | a | Powder Plot | 8 | ♂ | 47 | ♂ | h | D | 20 | ♂ | ♂ | D | 6 | | 20 | | | | |
| 6 | h | Sun set. 4. 14. | 23 | | 17 | ✕ | ✕ | D | 8. | Variable | | | Full | ☾ | | | | | |
| 7 | c | Wolthald | 8 | II | 6 | ♂ | ♂ | ♀. | and un- | | | 4 | A | | 4 | Moens setting. | | | |
| 8 | h | Claudian | 22 | | 58 | □ | ✕ | ♂ | 7. | constant | | | 4 | | 52 | | | | |
| 9 | ☾ | 21 after Trin. | 7 | ☾ | 47 | Δ | ♂ | ✕. | ✕ | ♀ | ♀. | 6 | | 15 | | | | | |
| 10 | f | Sun rif. 7. 52. | 22 | | 27 | Δ | ✕ | D | 8. | weather. | | | 7 | | 27 | Moens rising. | | | |
| 11 | g | Martin Bish. | 6 | ♂ | 52 | ♂ | Perig. | ♂ | ♂ | D | 16. | 9 | | 5 | | | | | |
| 12 | a | Conibert | 20 | | 59 | ♂ | h | D | 2. | A fa- | | | 10 | | 35 | | | | |
| 13 | h | Eugenia | 4 | ✕ | 45 | Δ | ♀ | D | 22. | ✕ | ♀ | D | 13 | | 3 | Moens rising. | | | |
| 14 | c | K. W. 3. born | 18 | | 17 | D | ♂. | ✕ | h | D | 8. | ✕ | ♂ | D | 0 | M | | | |
| 15 | h | Leopold | 1 | ≡ | 34 | vourable time for | | | | | | | 1 | | 24 | Moens setting. | | | |
| 16 | ☾ | 22 after Trin. | 14 | | 38 | ♂ | ♀ | D | 10. | some day | | | 2 | | 52 | | | | |
| 17 | f | Ingó | 27 | | 32 | ✕ | ♂ | ♀. | together. | | | 4 | | 3 | | | | | |
| 18 | g | Sun rif. 8. 4. | 10 | m | 12 | ♂ | ♂ | D | 22 | ✕ | ♀ | D | 23 | | 27 | New | | | |
| 19 | a | Elizabeth | 22 | | 45 | ✕ | h | ♀. | ♂ | h | ♂ | 0. | 6 | | 51 | | | | |
| 20 | h | Amos | 5 | † | 8 | ♂ | h | ♂. | Now expect | | | 3 | A | | 39 | | | | |
| 21 | c | Obl. V. Mary | 17 | | 23 | □ | ✕ | D | 21. | the wea- | | | 4 | | 24 | Moens setting. | | | |
| 22 | h | Sun set. 3. 51. | 29 | | 28 | ther to be very | | | | | | | 5 | | 30 | | | | |
| 23 | ☾ | 23 after Trin. | 11 | ✓ | 25 | D Apog. ridged as | | | | | | | 6 | | 45 | | | | |
| 24 | f | Chryfog. | 23 | | 17 | ♂ | h | ♂. | ✕ | ✕ | D | 10 | | | | Moens setting. | | | |
| 25 | g | Catherine | 5 | ≡ | 7 | ✕ | ✕ | ♀. | frost and | | | 7 | | 52 | | | | | |
| 26 | a | Sun rif. 8. 13. | 16 | | 58 | ♂ | ♂ | ♀. | Δ | ✕ | ♀. | 9 | | 11 | | | | | |
| 27 | h | Southerus | 28 | | 53 | snow, after that | | | | | | | 10 | | 27 | Moens setting. | | | |
| 28 | c | Term ends | 10 | ✕ | 58 | Δ | ✕ | ♂. | mild. | | | 11 | | 37 | | | | | |
| 29 | h | Sun set. 3. 45. | 23 | | 18 | ✕ | ♀ | ♀. | Δ | h | D | 1. | 12 | | 51 | | | | |
| 30 | ☾ | S. Andrew | 6 | ✓ | 0 | Advent Sunday | | | | | | | 0 | M | 51 | | | | |

November 1690.

The { 2 day at 1 afternoon π
 19 day at 1 in the morn. δ
 19 day at 10 before noon δ } is with the Moon.
 24 day at night γ
 27 day at 10 at night η

| | | | | |
|----|----|---|----|--|
| 1 | 11 | A | 16 | <i>Iustitia & equitas maxime reddunt diuturnum Imperium.</i> |
| 2 | 11 | | 59 | |
| 3 | 12 | | 38 | <i>Mercury is now with the Sun beams.</i> |
| 4 | 1 | M | 32 | |
| 5 | 2 | | 26 | <i>Day 8 hours and an half long.</i> |
| 6 | 3 | | 23 | |
| 7 | 3 | | 23 | |
| 8 | 4 | | 30 | |
| 9 | 5 | | 35 | |
| 10 | 6 | | 33 | <i>Jupiter South 4 min. past 8 at night.</i> |
| 11 | 7 | | 36 | <i>Jupiter sets at 2 in the morning.</i> |
| 12 | 8 | | 29 | <i>Seven Stars South 32 min. past 11 at night.</i> |
| 13 | 9 | | 26 | <i>and sets 45 min. past 7 in the morn.</i> |
| 14 | 10 | | 7 | |
| 15 | 10 | | 58 | <i>Day 8 hours long.</i> |
| 16 | 11 | | 38 | |
| 17 | 12 | | 22 | |
| 18 | 1 | A | 8 | |
| 19 | 1 | | 59 | |
| 20 | 2 | | 45 | <i>Mars rises 38 min. past 6 in the morn.</i> |
| 21 | 3 | | 36 | <i>Venus sets 46 min. past 6 at night.</i> |
| 22 | 4 | | 26 | <i>Non senfus, non clarum homines habent.</i> |
| 23 | 5 | | 17 | <i>Sed probitas magnos ingeniumque facit.</i> |
| 24 | 6 | | 5 | |
| 25 | 6 | | 50 | |
| 26 | 7 | | 38 | |
| 27 | 8 | | 20 | <i>Aldebaran South 17 min. past 1 at night.</i> |
| 28 | 9 | | 4 | <i>Day 7 hours and an half long.</i> |
| 29 | 9 | | 44 | |
| 30 | 10 | | 28 | <i>Great Dog South 18 m. past 1 in the morn.</i> |

December hath xxxi days.

- Full moon the 6 day, at 2 in the morn. 1 12 Ω 21
- ☾ Last quarter the 12 day, at 6 afternoon. 9 11 56
- New moon the 20 day, at 2 afternoon. 17 11 30
-) First quarter the 28 day, at 6 at night. 25 11 X 5

| | | | | | | | | | | |
|----|---|-----------------|----|----|----|--------------------------|------|---|----|--|
| 1 | f | Longinus | 19 | V | 6 | Frost and clear | 2 | M | 12 | |
| 2 | B | Sun ris. 8. 17. | 2 | 8 | 43 | ☾ 8 D 2. air. | 3 | | 33 | |
| 3 | a | Effian. | 16 | | 50 | ☾ h D 12. * 2 D 18 | 5 | | 9 | |
| 4 | b | Barbara | 1 | II | 25 | ☾ 8 D 2. Δ 8 D 7. | 5 | | 34 | |
| 5 | c | Sabina | 16 | | 33 | ☾ 2 D 18. Showers | | | 5 | |
| 6 | B | Sun set. 3. 42. | 1 | 5 | 31 | of cold rain or snow | Full | ● | | |
| 7 | ☾ | 2 sun. in Adv | 16 | | 47 | D Perig. Δ h D. | 5 | A | 0 | |
| 8 | f | Concep. V.M. | 1 | Ω | 50 | Δ 8 D 6. Δ 8 D 21 | 5 | | 28 | |
| 9 | B | Joachim | 16 | | 39 | ☐ h D 13. about now | 8 | | 0 | |
| 10 | a | Sun ris. 1. 19 | 0 | W | 57 | ☐ 8 D 11. | 9 | | 33 | |
| 11 | b | Pollux | 14 | | 54 | D 8. ☐ 8 D 7. | 11 | | 3 | |
| 12 | c | Valerius | 28 | | 28 | ☾ 2 D 2. * 8 D 18 | 12 | | 10 | |
| 13 | B | Aucia V. | 1 | II | 40 | Δ 8 D 6. * 8 D 20 | 0 | M | 10 | |
| 14 | ☾ | 3 sun. in Adv. | 24 | | 34 | Sharp frosts being | 1 | | 19 | |
| 15 | f | Sun set. 3. 42. | 7 | m | 15 | ☐ 8 D 17. subtle | 3 | | 3 | |
| 16 | B | Ananias | 19 | | 43 | ☐ h D 11. Δ 2 D 20 | 4 | | 30 | |
| 17 | a | Lazarus | 2 | 7 | 1 | ☐ 8 D 20. to the | 5 | | 40 | |
| 18 | b | Christoph. | 14 | | 10 | * 8 D 6. season | 6 | | 54 | |
| 19 | c | Loth | 25 | | 13 | ☐ 2 D 8. ☐ 2 D 8. | 7 | | 5 | |
| 20 | B | Sun ris. 8. 17. | 8 | V | 12 | Frost abounds till | New | ☾ | | |
| 21 | ☾ | S. Thomas | 20 | | 6 | D Apog. * h D. | 4 | A | 8 | |
| 22 | f | Eleodorus | 1 | m | 58 | towards the end, | 5 | | 27 | |
| 23 | B | Dagobert | 13 | | 49 | * 8 D 4. ☐ 8 D 12 | 6 | | 45 | |
| 24 | a | Sun set. 3. 46. | 25 | | 43 | ☐ h D 1. after which | 8 | | 6 | |
| 25 | b | Christmas day | 7 | X | 42 | ☐ 8 D 20. | 9 | | 12 | |
| 26 | c | S. Stephen | 19 | | 50 | Δ h D 12. ☐ 2 D 22 | 10 | | 25 | |
| 27 | B | S. John Evan. | 2 | V | 13 | more mild and | 11 | | 33 | |
| 28 | ☾ | H. Innocents | 14 | | 51 | Δ 8 D 10 * 8 D 11 | 12 | | 55 | |
| 29 | f | Sun ris. 2. 10. | 27 | | 53 | temperate. | 0 | M | 55 | |
| 30 | B | Dionis | 11 | X | 22 | * 8 D 17. | 2 | | 17 | |
| 31 | a | Sylvester | 25 | | 13 | Finis anni Julia. 1650.3 | 47 | | | |

Dec.

Moons rising.

Moons setting.

December 1690.

The { 16 day at 11 at night. h
18 day at 8 in the morn. d
19 day at 8 at night Q
23 day at midnight Q
27 day at 10 in the morn. T } is with the Moon.

| | | | |
|----|----|------|--|
| 1 | 11 | A 15 | |
| 2 | 12 | 5 | Jupiter South 40 min. past 6 at night. |
| 3 | 0 | M 57 | Jupiter sets 26 min. after midnight. |
| 4 | 1 | 54 | Seven Stars South at 80 at night; and sets |
| 5 | 2 | 59 | 10 min. past 6 in the morning. |
| 6 | 4 | 3 | |
| 7 | 4 | 3 | |
| 8 | 5 | 11 | |
| 9 | 6 | 9 | <i>Nulla fides pietasque viris quicquid astra sequuntur,</i> |
| 10 | 7 | 8 | <i>Venaleque manus ubi sunt ubi manibus heredes.</i> |
| 11 | 7 | 56 | Shortest day 7 hours 40 minutes. |
| 12 | 8 | 40 | |
| 13 | 9 | 20 | |
| 14 | 10 | 15 | |
| 15 | 10 | 52 | |
| 16 | 11 | 46 | |
| 17 | 12 | 38 | |
| 18 | 1 | A 18 | Mars rises 22 min. past 6 in the morning. |
| 19 | 2 | 10 | Aldebaran South 37 min. past 9 at night. |
| 20 | 3 | 2 | and sets at 5 in the morning. |
| 21 | 3 | 49 | Venus sets 11 min. past 7 at night. |
| 22 | 4 | 35 | Day 7 hours and an half long. |
| 23 | 5 | 22 | |
| 24 | 6 | 7 | |
| 25 | 6 | 52 | |
| 26 | 7 | 32 | |
| 27 | 8 | 14 | Now now the Year doth draw unto its end. |
| 28 | 8 | 59 | So doth our Lives, which daily we should mend. |
| 29 | 9 | 42 | For Death will come we cannot just tell when. |
| 30 | 10 | 30 | And cut us from this humane Race of men. |
| 31 | 11 | 25 | |

The Dominion of the Moon in Man's Body passing under the 12 Signs of the Zodiack.

♈ Aries, Head and Face.

♋ Taurus,
Neck and
Throat.

♊ Cancer,
Breast and
Stomach.

♍ Virgo,
Bowels and
Belly.

♏ Scorpio,
Secret Mem-
bers.

♐ Capricorn,
Knees.



♊ Gemini,
Arms and
Shoulders.

♌ Leo,
Heart and
Back.

♎ Libra,
Reins and
Loins.

♐ Sagitar
Thighs.

♑ Aquarius
Leggs.

♓ Pisces, the Feet.

The Characters of the Seven Planets, with the Dragons Head and Tail.

♄ Saturn
♃ Jupiter
☿ Mars

☼ Sol
♀ Venus
☿ Mercury

☾ Luna
♁ Dragon Head
♂ Dragon Tail.

The Aspects both Old and New.

♂ Conjunction, when Planets are in one Sign and degree.

♂♂ Semisextile, when they are asunder 1 Sign.

* Sextile, when they are 2 Signs distant.

Q Quintile, when they are one from another 2 Sig. 12 d.

♁ Quartile, when Planets are distant 3 Signs.

Td Tridecile, when they are 3 Signs 18 degrees distant.

△ Trine, when they are parted 4 Signs.

Bq Biquintile, when they are removed 4 Signs 24 degrees.

Vc Sexticulus, when they are 5 Signs distant.

♂ Opposition, when they are distant 6 Signs.

Kepler's Definition of an Aspect, Epit. Altron. pag. 840.

Est angulus formatus à radiis luminosis binorum Planetarum, apud terram, efficax ad stimulandam naturam sublunarem.

WING.

W I N G.

A

PROGNOSTICATION,

for the Year of our

L O R D G O D

1 6 9 0.

Being the 2^d after Bissextile or Leap-year.

Wherein is contained the time of the Sun's Ingress into *Aries*, with a Figure shewing the position of the Heavens at that time, from whence the state of the Year is predicted, with the Ingress of the Sun into the three other Cardinal Points, with a Table shewing the hour of the day by a plain walking-staff; as also a pleasant Chronology of memorable things since the Creation of the World: The Eclipses, with the Calculation of one that is visible, and a brief discourse touching the Earth's motion, and how the Planets come to appear sometimes Direct, sometimes Retrograde, and at other times Stationary.

*Cæli enarrant gloriam Dei fortis & opus manuum
inducat expansum eorum. Psal. 19. 1.*

C A M B R I D G E,

Printed by John Hayes, Printer to the
University, 1 6 9 0.

A Table shewing the true Hour of the Day by a plain Staff divided into 10 equal parts.

| Ho. afternoon | | Ho. forenoon | | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 |
|---------------|------|--------------|-----|-------|-------|-------|-------|----------|----------|---------|---------|
| June | June | May | May | April | April | March | March | February | February | January | January |
| 11 | 11 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 16 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1 | 21 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 26 | 27 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 21 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 16 | 7 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 11 | 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 5 | 18 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 30 | 23 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 25 | 28 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 20 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 15 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 9 | 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 4 | 18 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 30 | 23 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 25 | 28 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 20 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 15 | 7 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 10 | 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 5 | 17 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 28 | 22 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 23 | 28 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 18 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 13 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 8 | 13 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 3 | 18 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 29 | 23 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 24 | 28 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 19 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 14 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 9 | 11 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 4 | 16 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 30 | 21 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 25 | 26 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 21 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 16 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 11 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

WING.

1690.

⚡ Note that q stands for
 ♀ a quarter of 2 parts;
 f for semi; half; and d for
 Dollars three quarters of a
 part.

Wing 1690.

To find the true Hour of the Day by the
former Table.

TAke a Staff of what length you please, and with a pair of Compasses divide it into ten equal parts marking them upon the Staff; then in some level place where the Sun doth shine, set it upright, and mark where the end of the shadow falls; which done, measure with your Staff the length of the shadow, and note the parts it contains, which find out in this Table right against the day of the month, and over head you will find the true hour of the day; as will appear more clearly by example.

Suppose the 9 of *April* or 13 of *August* I should find the shadow of the Staff to be 30 parts and a quarter of a part more, that is, three Staffs length, and a quarter of a part, therefore seeking in the Table; against the said days, I find 30 *q.* which is 30 parts and a quarter, and I see over head that it is then either 7 a clock in the morning, or 5 in the afternoon; so that if your observation was in the morning, it was 7 $\frac{1}{4}$ but if in the afternoon, 5 a clock.

Thus the 13 of *February*, or 8 of *October*, if the shadow of the Staff be just 19 parts, it is 12 a clock, if 20 it's one a clock, if 24 two a clock, if the observation be made in the afternoon.

Thus you see the hour of the Day is exactly and speedily found, by a Rod or Staff and the help of this Table; so likewise by the Kallender part may the hour of the Night be known either by the Moon, Planets, or Fixed Stars, being of excellent use to all sorts of Men.

Wing 1690.

A Compendious Chronology of Memorable things
since the Creation to this Year 1690.

| | | Years. |
|--|--|--------|
| From the Creation of the World. | <i>Orientalis Ecclesie tradita</i> | 7189 |
| | <i>Occidentalis Ecclesia tradita</i> | 6888 |
| | <i>Hebraeos & Judaeos recentiores</i> | 5450 |
| | <i>S. Literas & Hist. fide digniores</i> | 5839 |
| Since | Noah's Floud | 3983 |
| | The destruction of Sodom and Gomorrha | 3591 |
| | The destruct. of Troy | 2892 |
| | Brute entered this Island of Britain | 2797 |
| | The build. of London | 2797 |
| | The build. of York | 2579 |
| | The building of Canter- bury | 2582 |
| | The building of Stam- ford | 2553 |
| | The bu. of Leicester | 2534 |
| | The build. of Rome | 2442 |
| | Haman was hanged | 2142 |
| | Alexander died | 2010 |
| | Julius Caesar slain | 1733 |
| | S. Peter and S. Paul were put to death | 1616 |
| | Jerusalem was taken by Titus | 1617 |
| | England received the Christian Faith | 1500 |
| | S. Augustine died | 1260 |
| | Duke William conquered England | 624 |
| | S. Paul's Chu. burnt | 604 |
| | The 1 Mayor of Lon. | 500 |
| Since | London Bridge was built with Stone | 481 |
| | The Invent. of Guns | 312 |
| | The rare Art and Mystery of PRINTING | 250 |
| | Coaches came into Eng- land | 135 |
| | The great Massacre in France | 118 |
| Since | The Kalen. corrected | 108 |
| | The Camp at Tilbury in Essex | 102 |
| | K. Charles I. was born | 90 |
| | The Powder Treason Novemb. 5. | 85 |
| | The great Frost | 83 |
| | The Comet or Blazing Star Novemb. 18. | 72 |
| | King Charles II. was born | 60 |
| | The great Fight at Lutzen in Germany Sept. 6. | 58 |
| | The long Parliament be- gan Novemb. 3. | 49 |
| | The great Rebellion in Ireland beg. OH. 23. | 48 |
| | Branford Fight | 47 |
| | Edgahill battel OH. 23. | 46 |
| | The Covenant (that bond of iniquity) taken by the Members of the House of Commons | 46 |
| | Marston more Fight | 46 |
| | Newberry Fight | 46 |
| | The | |

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Since

The Bishop of *Canterbury*
 beheaded *Jan. 10.* 45
Naesby Fight *June 14.* 45
 The *Scoss* routed in *Lan-*
cashire by *O. C.* 42
K. Charles I. murdered
Jan. 30. 42
D. Hamilton, L. Capel &
E. of Holland beheaded 42
Colchester was taken 42
Worcester fight *Sep. 3.* 39
 The long Parliament was
 pulled out by *O. C.* 37
 A great Victory against
 the *Hollanders* 37
Dunkirk delivered to the
English 32
Sir Henry Slingsby and *D.*
Hewet beheaded 32
Oliver the Tyrant died
Sept. 3. 32
 The Lord *Monk* brought
 in the secluded Mem-
 bers *Feb. 11.* 30
 The healing Parliament
April 25. 30
K. Char. II. happily arrived
 to London *May 29.* 30
King Charles II. Crowned
 at *Westm.* *Apr. 23.* 29
 Two Comets appeared in
 four months time 25
 The great Plague in *Lon-*
don whereof died about
 100000. 25
 A great Fight between the
English and the *Dutch*,
 wherein the *Dutch* were
 beaten *July 15.* 24

Since

The sad and lamentable
 Fire in London *Sept. 2,*
3, 4, 5, 6. 24
 Peace with *Spain & Den-*
mark 23
 Peace agreed betwixt the
English & the *Dutch* 17
 The great Snow, it snowed
 11 days together 16
S^r Edmund Bury-Godfrey
 was murdered 12
 A great and wonderfull
 Comet in *December* 10
 A Comet in *August.* 8
Walcos, Hone, and Rouse
 were drawn, hanged and
 quartered. 7
 The Lord *Russel* beheaded
July 21. 7
S^r Thomas Armstrong was
 executed. 6
 The King and Queen
 Crown'd *April 23.* 5
 The rebellion in *Scotland*
 began *May 13.* 5
 The Rebellion in *Dorset-*
shire began *June 11.* 5
 The Rebels were de-
 feated near *Bridgewater*
 in *Somersetshire,* *July*
6. 5
 The late Duke of *Mon-*
mouth beheaded *July*
15. 5
 Several of the Rebels
 both in *England* and
Scotland were execu-
 ted 5

Wing 1690.

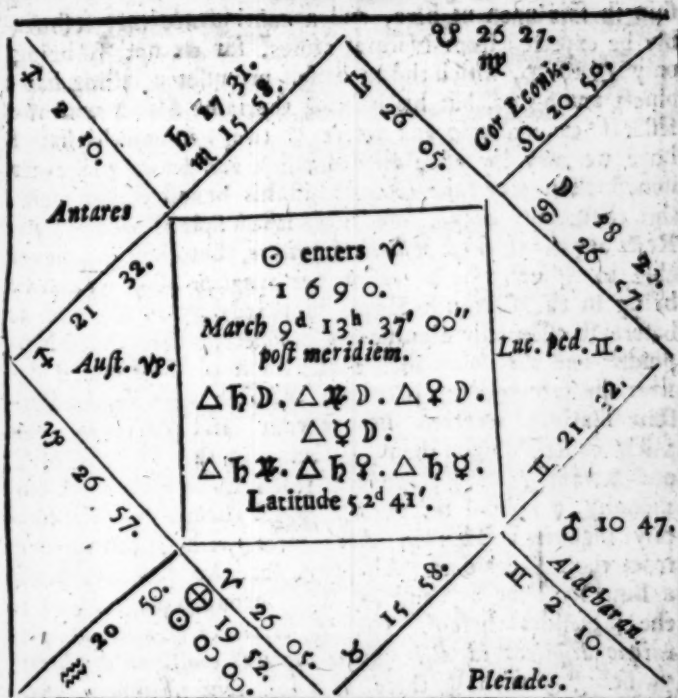
| Tempus datum | Longit. Solis. | | | | Apog. Solis | | | |
|-----------------|----------------|----|----|----|-------------|----|----|----|
| | S. | D. | ' | " | S. | D. | ' | " |
| Epocha 1681 | 9 | 20 | 33 | 48 | 3 | 7 | 5 | 38 |
| Years add 9 | 11 | 29 | 49 | 15 | | | 9 | 14 |
| March 1 | | 28 | 9 | 11 | | | | 10 |
| Day 9 | | 8 | 52 | 15 | | | | 1 |
| hour 13 | | | 32 | 2 | | | | 0 |
| min. 37 | | | 1 | 31 | | | | 0 |
| Middle motion ☉ | 11 | 27 | 58 | 02 | 3 | 7 | 15 | 3 |
| Aphelion sub. | 3 | 7 | 15 | 03 | | | | |
| Anomalía ☉ | 8 | 20 | 42 | 59 | | | | |
| Prosthaph. add. | | 2 | 1 | 58 | | | | |
| Locus Solis | 00 | 00 | 00 | 00 | | | | γ |

Hast now Minerva ser to help me on
 To drive proud Zoylus over Helicon.
 But stay my Muse consider what we do
 Let's Carping Momus take along I wō.
 For these are they that scandalizeth Art
 And nothing but their envy can impart.
 These stumbling blocks being thus kik'd out oth' way
 To prosecute the rest we make no stay,
 Which to my loving Cauntry men I send
 Who am their real, and well wishing friend.

Of the Spring Quarter.

THE Revolution of the Year, takes always its beginning, when that Glorious Lamp of Light (the Sun) enters the first Point of the Equidiurnal Sign *Aries*, which vulgarly will be this present Year on the 10 day of March being Monday, 37th past 1 in the morning; but Astronomically on Sunday the 9 day, 13 hours 37th p. m. the posture of the Heavens then being as the following Schemie demonstrates, in which the Cœlestial Archer ascends the Horoscope, an ♄ Lord thereof essentially dignified in ♄ produces a wholesome and good Air, seasonable and fruitfull showers,

Wing 1690.



showers, Upon the Cusp of the 4th, we have ♈ England's Ascendant, of which Authors tell us, that the Ascendant of any Country upon the Cusp of the 4th House, signifies the King shall augment his Dominions, and in case of war overcome his Enemies, as ♂ in ♐ (London's Ascendant) farther demonstrates, but leaving this and going on to Saturn's good configurations in this figure, which foreshews a fertile Year, producing a competent gain to the Farmer, which of late Years hath been the Slaves of the Barch, and many of them brought extreame Low, in respect all sorts of grain bare so very small a price, by reason of our unhappy times so lately past, but now to cheer up their drooping Spirits, these milts are broken up, and the Sun

Wing 1690.

shineth fair upon us here, and a continuance may reasonably be expected from Natural causes, for tis not h being only Δ to v , which tho in its self promises a lasting happiness among us, but his holding the same Aspect with the lesser fortune f also and active q two, insomuch that I hope we may lay aside all Jealousies and fears, and every honest Man may take Courage in his honest imployment, tho there may be yet some dissatisfied Spirits amongst us, *Resti argumentum est pessimis displicere*, but they are never able to disturb the peace of our English Sion. Saturn's being in the Eleventh House in partile Δ to v , and as before so essentially dignified, Corroperates the former happiness, and that Men shall obtain most of their honest desires, be succesfull in Journeys, and that Aged Grave Persons shall be received into favour, and places of trust justly conferr'd upon them, v being in the 3^d in o of f and q , and Δ of h , produces real Loyalty from the Commonalty, a mutual reception amongst themselves, and happily ingenious Men in Art, meet with incouragement from their Superiours. Ah pittie, sure Art has been set as a Butt to shoot at, and so little incouragement given to the professors thereof. *Hec est erroris proprium, ut quod cuique displicet id aliis quoque oportere existimet displicere*. v being o with q there, is a sufficient Argument Astrological to confirm this matter, then what can we better do, then to render Praise and Thanks to God Almighty, who hath preserved and delivered us from those eminent dangers our Sins might justly brought down upon us, which the infinite mercy of God has so lately delivered us from; let us therefore consider what is past, and no more provoke the Lord of Life, lest a worse thing happen unto us, and I am morally sure it hath been observed by some of our Orthodox, *Non parentum aut majorum Auctoritas, sed Dei docentis Imperium*, who hath so nearly followed the Text of their great Lord and Master, but some have done far otherwise, but let such consider, *Maledicta glossa que corrumpit textum*, but it is not my business to enlarge farther in this matter here.

Venus

Wing 1690.

Venus in \times in δ of \mathcal{P} and \mathcal{Q} , and Δ to \mathcal{H} , all which promises a fruitfull Year, and a temperate season, and that the Sea shall be quiet and safe from Shipwracks and Pirates, which of late have very much abounded.

*Let all good Christians now lay by their fear
And bless God for his benefits this Year,
For Peace and Plenty which doth now abound
Scarce any Nation such, ther's to be found.
Then let us strive to render God due praise
And beg of him to lengthen out such days.*

How certain it is (I need not here consider) that the Signs, Stars and Planets pour forth their influences upon these inferiour bodies, according to their various Scire, Position and Quality; according to which I have drawn a rational Judgement, which the Heavens do premonstrate unto us within the Perimeter of this Years Revolution. What more might be collected, I shall not now consider, but leave it to those that are more able in this Science.

*In this Radical part of this Revolution, are these
notable Configurations.*

Die 11 Martii δ \mathcal{P} \mathcal{Q} . 13 Δ \mathcal{H} \mathcal{Q} . 14 \mathcal{D} Eclipsed in \mathcal{Q} . 19 \square δ \mathcal{Q} . 22 Δ \mathcal{H} \mathcal{Q} . 30. \square \mathcal{P} \mathcal{Q} . 31 δ \mathcal{P} \mathcal{Q} .
Die 1 Aprilis \square δ \mathcal{Q} . 5 \ast δ \mathcal{Q} . 6 δ \odot \mathcal{Q} . 7 \ast \odot \mathcal{Q} .
20 δ \mathcal{H} \mathcal{Q} . 21 δ \mathcal{H} \odot . Die 3 Maius \ast δ \mathcal{Q} & δ \mathcal{H} \mathcal{Q} .
5 Δ \mathcal{H} \mathcal{Q} . & \ast \mathcal{P} \mathcal{Q} . 10 \ast \odot \mathcal{P} . 11 \ast \mathcal{P} \mathcal{Q} . 21 δ \mathcal{Q} \mathcal{Q} .
27 \square \mathcal{P} \mathcal{Q} . 31 \square \mathcal{P} \mathcal{Q} . Die 1 Junius Δ \mathcal{H} \mathcal{Q} . 6. Δ \mathcal{H} \mathcal{Q} .
9. Δ \mathcal{H} \mathcal{Q} .

I do heartily wish the \square of \mathcal{P} and δ from Π (Londons Ascendant) and \times do not infect our famous Metropolitane, with the Plague or some other raging distemper, from which and all other suddain surprises, *Libera nos Domine.*

Of the Summer Quarter.

Æ Stat, the Summer Quarter doth always commence when our Earthly Star enters into the first point of \mathcal{P} , (the place of the Sun from the Earth being then just

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Just entering ☿ making our longest Day and shortest Night, which will come to pass this Year on Wednesday being the 11 day of June, near 4 in the Morning, in which Quarter the Sun passeth through ☿ ♋ ♎.

In this part of the Revolution happen these remarkable Configurations.

Die 17 Junius ☿ ☿ ♎. 19 ☿ ♋ ♎. 22 ☿ ☿ ♎. 24 ☿ ☿ ♎.
 30 ☿ ♋ ♎. Die 11 Julius ☿ ☿ ♎. 14 ☿ ☿ ♎. 20 ☿ ☿ ♎.
 24 ☿ ☿ ♎. 26 ☿ ♋ ♎. Die 6 Augustus ☿ ☿ ♎. 7 ☿ ♋ ♎.
 9 ☿ ♋ ♎. 17 ☿ ☿ ♎. ☿ Eclipsed 23. 25 ☿ ☿ ♎.
 36 ☿ ☿ ♎. Die 4 September ☿ ☿ ♎. 6 ☿ ☿ ♎.
 9 ☿ ☿ ♎.

According to the preceding Configurations, the weather this Quarter at the beginning should be Rain with Thunder, but towards the middle very Temperate, and moderate showers towards the end.

Of the Autumn Quarter.

THE third part of the Year is called Autumn, and beginneth at such time as the Sun toucheth the first point of the Equinoctial Sign ♊, or more really when the Earth enters the first scruple of ♋, and hath revolved her self at right angles with the Sun, and receiveth a like portion of Light and Darknes, which either way taken, falleth out this Year upon Friday the 12 day of September, at 7 hours 32 min. 30 seconds *Post meridiem*, according to the following Calculation.

| | s. | d. | ' | " |
|------------------------------|----|----|----|----|
| The middle motion of the Sun | 6 | 02 | 01 | 01 |
| Aphelion of the Sun Subtract | 3 | 07 | 15 | 36 |
| Anomallia of the Sun | 2 | 25 | 46 | 26 |
| Prosthaphæris Substract | | 2 | 2 | 2 |
| The Suns true Place | ☿ | 00 | 00 | 00 |

This part of the Years Revolution produceth these following Configurations.

Die 14 September ☿ ☿ ♎. 21 ☿ ♋ ♎. 30 ☿ ☿ ♎. Die
 October 3 ☿ ☿ ♎. 6 ☿ ♋ ♎. 26 ☿ ☿ ♎. 31 ☿ ♋ ♎.
 Die

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Die November 1 $\odot \varnothing$. 2 $\odot \text{h}$. 7 $\odot \delta \varnothing$. 9 $\Delta \odot \text{p}$.
 17 $\ast \delta \varnothing$. 19 $\text{h} \varnothing \ast$. 20 $\odot \text{h} \delta$. 24 $\odot \text{h} \varnothing$. 25 $\ast \text{p} \varnothing$.
 26 $\odot \delta \varnothing$. 27 $\Delta \text{p} \varnothing$. 28 $\Delta \text{p} \delta$. 29 $\ast \varnothing \varnothing$. *Die December* 10 $\square \odot \text{p}$.

Various are the Aspects and Configurations of the Heavenly bodies this Quarter of the Year, and as various will the weather be, and I am mistaken if we have not store of Cold Rain or Snow, and winter-like weather towards the latter end of this Autumn Quarter.

of the Winter Quarter.

THE Winter Quarter beginneth at such time as our Earthly Globe hath volved it self to the greatest Northern inclination, whereby we her Northern Inhabitants being furthest deflected from the Suns Raies, receive least portion of Light, causing our shortest Day and longest Night, or (according to common opinion) when the Sun enters the first minute of \varnothing , which either way taken, happeneth this Year upon *Thursday* the 11 day of *December* near 8 in the morning.

*In this latter part of the Revolution will appear to be these
 Celestial Aspects and Meetings.*

Die December 19 $\square \text{p} \varnothing$. 30 $\ast \delta \varnothing$. *Die Januarii* 1 $\odot \varnothing$. 4 $\ast \text{h} \varnothing$. 7 $\ast \odot \text{h}$. 8 $\ast \text{p} \varnothing$. 13 $\ast \odot \text{p}$.
 16 $\odot \varnothing \varnothing$. 17 $\square \text{p} \delta$. 22 $\odot \varnothing \varnothing$. 23 $\square \text{h} \varnothing$. *Die Februarii* 1 $\ast \text{p} \varnothing$. 7 $\square \odot \text{h}$. 15 $\odot \odot \varnothing$. 20 $\ast \text{h} \delta$.
 24 $\square \text{h} \varnothing$. *Die Martius* 5 $\square \text{h} \varnothing$. 9 $\Delta \odot \text{h}$.

What may be gathered by the Rules of Art and Law of nature, from the Revolution of this Quarter, is more proper to the next Year (because the greatest part of it falls therein) so falls without the Perimeter of this Year.

The Weather this Quarter at the beginning is somewhat severe and sharp, *January* following indifferently Temperate, but toward the latter end much Winterly Weather.

The

*The reason of Eclipses, when and how they appear,
with an account of those that happen this Year.*

BEfore I come to the Eclipses incident to this present Year, I shall (for information of the Vulgar) first shew what they are, and when they happen: and first for the Eclipse of the Sun, observe if at the time of the conjunction of the Luminaries, the Moons Latitude be little or nothing from the Ecliptic, then doth she interpolate between the Sun and the Earth, and (being a Dark, Solid and opacious body) doth thereby hide more or less of the Suns bright shining body from our Light, and therefore Astronomers define that it is, *Interceptio luminis Solaris, profecta ex interpositu Luna inter Solem atque aspectum nostrum.* So that *Suidas* well observes, that *Solis Eclipsis fit, quando Luna in ipsum incurrit.* Hence it is apparent that the Sun loseth no Light, but the Light is only obscured by the interposition of the Moon, in so much that the Earth is thereby Eclipsed, and not the Sun; but yet the Earth can never be Universally Eclipsed at one time by the interposing of the Moon, in regard of her Parvity and Vicinity to the Earth, and thereby her shadow is in form of a Corn, whose greatest Diameter, or Penumbra of the Moons shadow, can never exceed 33 min. 45 seconds, which converted into an Arch of a great Circle, amounts to about 37 degrees, which being compared to the Diameter of the Earths Disk, shews that but one little round portion of the Earth can be Eclipsed at once; But I shall forbear to speak farther hereof in this place, because such ample Demonstration is made by my Uncle *Vincent Wing* in his *Astronomia Britannica*, wherein is shewed how to determine and find out the places of the Eclipsed Earth, that are liable to some of the most eminent appearances of the Suns visible body, *Sed quid moror in istis.* I come now to treat of the Moons Eclipse, which is *Privatio luminis in Luna orta à diametrali Terra inter Solem & Lunam oppositane.* Or a privation of Light in the Moon, arising from the Diametrical interposition of the Earth between the Sun and

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and Moon, and therefore she can never be Eclipsed but at the time of the full Moon, and yet not at every full Moon, but when she is Diametrically opposite to the Sun, having little or no Latitude, as hath been before demonstrated: and of this Macrobius treateth, Lib. 1. *Sonn. Scipion. Cap. 14.* Cicero, Lib. 2. *Divinatione.* Damascenus de fide Oribodori, Lib. 2. Cap. 7. Beda in *Elementis Philosophia*, Lib. 2. And Lucan also, Lib. 1. *Pharsal.* Shews the cause of the Moons Eclipse,

— Cornuque coacta

*Jam Phæbe toto fratrem cum redderet orbe,
Terrarum subita percussa expalluit umbræ.*

Now there is a notable difference and disparity between the Eclipses of the Sun and Moon, for the Eclipse of the Moon is Universal, and always appears of one and the same bigness throughout the whole Hemisphere where it is visible, but the Eclipse of the Sun is otherwise, and is never Universal; but may be seen in one Climate and not in another, and at the same instant, may be seen in one place far greater then another, by reason of the Moons Vicinity to the Earth, from whence ariseth her Parallax, whereupon the Eclipse of the Sun principally depends; for that the Eclipse of the Moon may be calculated and determin'd with far more facility and expedition then the Suns Eclipse can (being limited to one particular place of the Earth) in respect of the tedious inquisition of the Moons Parallax, which is not to be considered in the Moons Eclipse. But I shall forbear at this time to treat further hereof, and shall come next to the description of the Eclipsed incident to this present Year.

The First is an Eclipse of the greater Luminary the Sun, on February the 28 Day near 11 at Night, and to be seen of our Antipodes and Perizcis, and also by them that are distant from us 6 hours, as well towards the West as East, viz. in the East Indies, China, Mexico, the East part of Peru, and the Islands of Sumatra, Java, Borneo, Luconia, Molacco, New Guinea, the Eastern Magellanica, the parts darkned will be near 6.

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The Second will be a visible Eclipse of the Moon, on the 14 day of *March* as the following Calculation directs, and tis pity but it should be carefully observed both Astro-
nomically and Astrologically, which might much help towards the perfection of both Sciences.

The Calculation.

| | D. | H. | " | " |
|--|----|----|----------|----|
| The equal time of the true opposition <i>Mar.</i> | 14 | 10 | 3 | 30 |
| True place of the Sun | ✓ | 04 | 47 | 48 |
| Excentrick place of the Moon | ✕ | 04 | 47 | 48 |
| Co-equate Anomaly of the Sun | 8 | 27 | 32 | 49 |
| Co-equate Anomaly of the Moon | 9 | 15 | 22 | 48 |
| Argument of Latitude | 6 | 08 | 32 | 22 |
| True Latitude of the Moon South Decend. | | | 44 | 17 |
| Reduction Sub. | | | 02 | 02 |
| Time of Reduction Add. | | | 04 | 01 |
| True φ in respect of the Ecliptic | 14 | 10 | 07 | 31 |
| Hourly motion of the Sun | | | 02 | 28 |
| Hourly motion of the Moon | | | 32 | 28 |
| Hourly motion $D \Delta \odot$ | | | 30 | 00 |
| Parallax D in the Horizon | | | 57 | 25 |
| Parallax \odot in the Horizon | | | 02 | 21 |
| Semidiameter of the Sun | | | 16 | 20 |
| Semidiameter of the Moon | | | 15 | 50 |
| Apparent semid. of the Earths shadow | | | 43 | 26 |
| Equation of time Add | | | 1 | 32 |
| Apparent time of the true φ | 14 | 10 | 09 | 03 |
| Parts or Scruples deficient | | | 14 | 59 |
| Digits Eclipsed | | 5 | 36 | 12 |
| Scruples of Incidence | | | 39 | 24 |
| Time of Incidence | | 1 | 18 | 48 |
| Total duration | | 2 | 37 | 36 |
| Interv. of the true φ and greatest Obsc. Ad. | | | 7 | 46 |
| Hence then | | H. | ' | " |
| The Eclipse begins | | 8 | 58 | 01 |
| The middle or greatest obscuration | | 10 | 16 | 49 |
| The end or full recovery of Light | | 11 | 34 | 37 |
| | | | Latitude | |

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Latitude of D at the beginning S. D. 40 49
Latitude D at the end S. D. 48 10

The third will be an Eclipse of the Sun *August 24* day near 1 in the morning, so not seen of us but our Antipodes

The Fourth is an Eclipse of the Moon on the 8 day of *September*, near 2 in the afternoon; so not visible to us, the Sun being far above the Earth, and the Eclipsed Moon much depressed under our Horizon.

The Objection of some against the motion of the Earth, with a brief answer thereunto, shewing the error of such false and groundless suppositions.

IT had been no new thing in retaining false opinions of the Earths standing and the Suns moving, had not the Learned of this and the last Age clearly demonstrated the contrary; but many are so refractory now a days, they neither can nor will imbrace those true and substantial demonstrations of the Earths motion, but do still object that this Annual transferring of the Earth would cause a diversity of elevation in those Stars which are near the Poles, and a variety in the appearing bigness of those in the Zodiac: Which since we see not follow, neither is there any such thing as this Annual motion of the Earth.

Tis answer'd; The vast remoteness of the Fixed Stars renders such variations imperceptible: And that their distance from us is sufficient to produce this effect, may be collected from the effect it has upon a Telescope; which tho' it amplifies so much the Planets, and even *Saturn* himself, yet adds nothing, or an insensible matter, to the Fixed Stars; and out of this motion of the Earth rises, first the reason of Night and Day, for since in a determinate time tis rould about its Center, which is in 24 hours, the things which are in the Heavens must needs appear sometimes, and otherwise disappear, to a determin'd place of the Earth, and a variety in respect of the Sun makes Day and Night;

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again by its motion under the Zodiack, it attains various conjunctions with the other Planets, and that it certainly carries its Axis turning still towards the same parts of the Heavens; it comes to pass that the part of the Earth, enlightened by the Sun, possesses sometimes greater sometimes lesser parts of the Parallels, according to which the Diurnal motion proceeds, and consequently that the Days are longer and shorter. Thence too it is that the Sun becomes more perpendicular at one time then another, by which Winter and Summer is deduced; and the varieties of Declinations, Ascensions, Descensions, and Twilights. But there is an effect too of the motion of the Earth, that is the carrying the Water about with it, but not the Tide. First because if the Earth should stand still, the Water would stand still also; since ther's no Impetus but from the gravity, and such there would be none in the present case; but ther's no cause of the unequal motion of the Water, since ther's the same quality continually in the moveable, and not by Skips. Again if all the water of the Sea were so moved, 'twould drown the Mountains; and the periods of the Earths motion do not agree with those of the Tides: but that the flux depends on an extrinsecal Agent, which impels only the superficies of the Sea, is most evident, by the experiment of a late Diver, that discovers there is no flux in the botome of the Sea, and tho the Planets often appear Stationary and Retrogade, which you are to understand are not nor never can be, but are always direct, and more orderly according to the succession of the Signs, about the Sun, but their retrogade appearance at the Earth is accidental only, and caused by the mutual position of the Earth and them, so far their places being refer'd to the Earth (which is placed without the Orbs of *Venus* and *Mercury*,) and also far distant from the Center of the Orbs of the Superiour Planets, there must necessarily arise the appearances of Direction, Retrogradation, and their being at other times Stationary.

F I N I S.

